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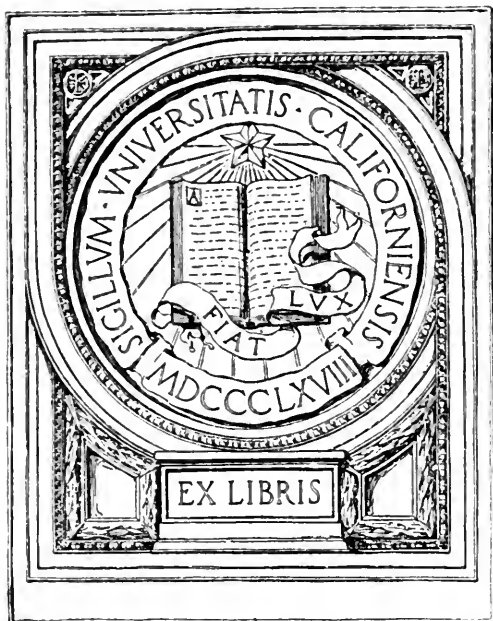
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—OF THE—  
Health Department  
1887.  
SAN FRANCISCO, CALIF.  
City and County of San Francisco.

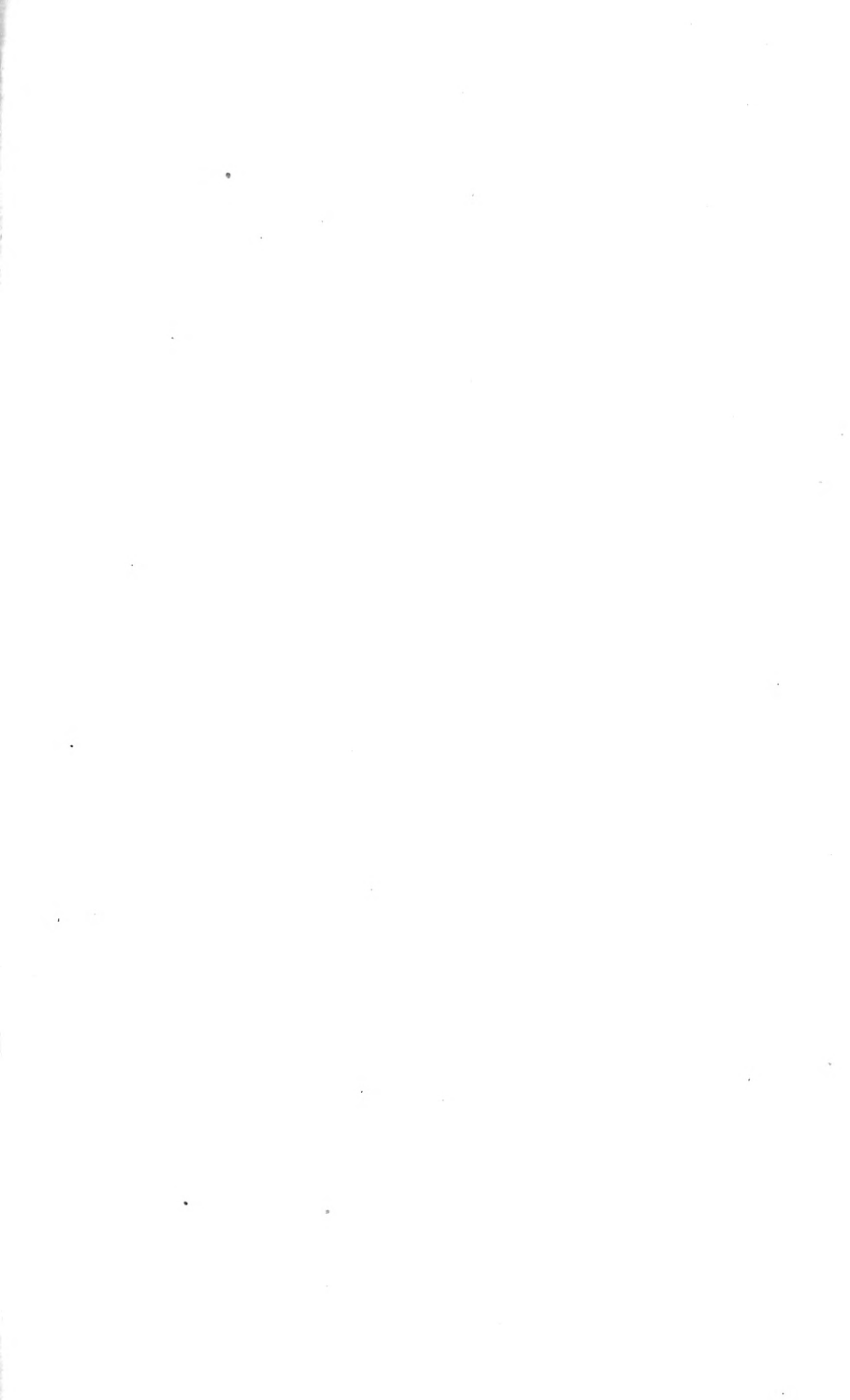
MEDICAL DEPARTMENT

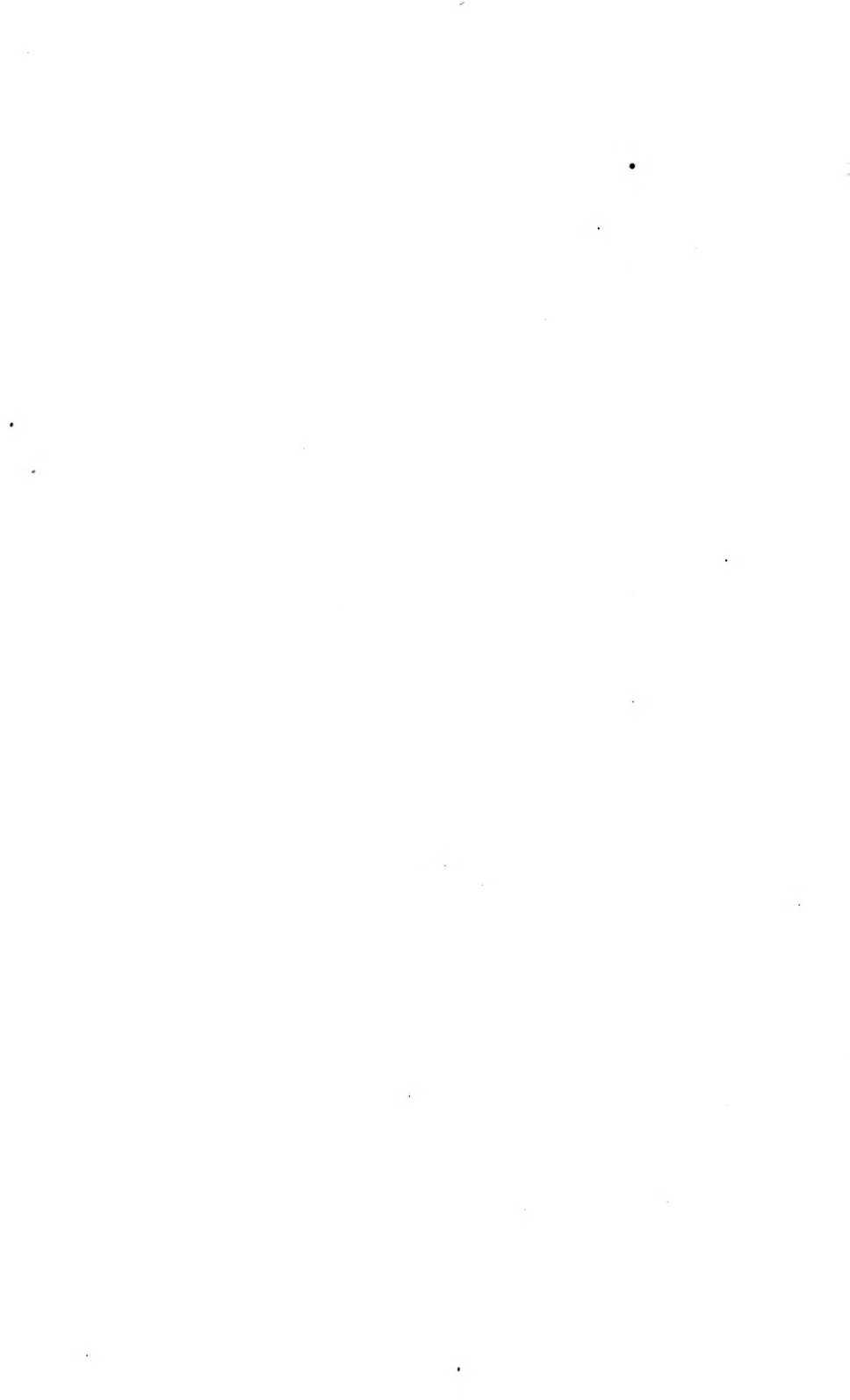
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REPORT  
OF THE  
HEALTH DEPARTMENT  
OF THE  
CITY AND COUNTY OF SAN FRANCISCO  
FOR THE  
FISCAL YEAR ENDING JUNE 30, 1897

ARTHUR S. LOVELACE, M. D., Health Officer  
W. P. CHALMERS, M. D., Quarantine Officer  
A. P. O'BRIEN, M. D., City Physician  
CONRAD WEIL, M. D., Police Surgeon  
J. M. WILLIAMSON, M. D., Supt. Physician City and  
County Hospital  
E. A. REDDY, Superintendent City and County Almshouse  
EDMOND GODCHAUX, Secretary Health Department

ALSO

Health Inspectors, Market Inspectors, Plumbing Inspectors, Bath and  
Laundry Inspectors, Bakery Inspectors, Disinterment Inspectors,  
Bureau of Food Inspection, Chemist and Bacteriologist.



SAN FRANCISCO  
THE HINTON PRINTING CO., 321 SACRAMENTO ST.  
1897



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# HEALTH DEPARTMENT.

---

## MEMBERS OF THE BOARD OF HEALTH.

HON. JAMES D. PHELAN, Mayor and ex-officio President.  
G. J. FITZGIBBON, M. D.,                      JOHN F. MORSE, M. D.,  
HENRY H. HART, M. D.,                      J. M. WILLIAMSON, M. D.

---

## HEALTH OFFICE.

Health Officer ..... ARTHUR S. LOVELACE, M. D.  
Secretary ..... EDMOND GODCHAUX.  
Assistant Secretary..... HANDEL H. ZOBEL.  
Clerk of Vital Statistics..... FRANK J. STANTON.  
Messenger ..... JAMES W. BRIER.  
Stenographer ..... MRS. M. TURNER.

---

## HEALTH INSPECTORS.

WM. FINNIGAN,                      J. W. CROWE,                      A. B. KINNE,  
OTTO LUDERS,                      WM. H. DUREN,                      T. DONOVAN,  
I. L. DAVID,                      F. E. BENJAMIN.

---

## PLUMBING INSPECTORS.

Chief Inspector, J. J. SULLIVAN.  
THOS. H. McGRATH,                      WM. H. KELLY,  
P. F. WARD,                      J. J. CONNOLY.

---

## MARKET INSPECTORS.

Chief Inspector, BEN DAVIS.  
J. L. RIVER,                      WM. H. JORDAN,                      A. D. TURNER.

---

## BATH AND LAUNDRY INSPECTORS.

Chief Inspector, WILLIAM H. TOBIN.  
P. LYDON.

---

## BAKERY INSPECTOR.

J. W. CAMERON.

---

## DISINTERMENT INSPECTORS.

Chief Inspector..... A. K. HAPERSBERGER, M. D.  
Assistant Inspector ..... R. M. JONES.

## BOARD OF HEALTH'S REPORT.

3

PUBLIC VACCINATOR.  
EDWARD L. PARRAMORE, M. D.

---

### BUREAU OF FOOD INSPECTION.

Chief Food Inspector.....JAS. P. DOCKERY.  
Chief Deputy.....THOMAS S. TAYLOR.  
WM. E. SWETT,                      L. M. MARTINET,                      H. A. HARRIGAN,  
P. KISSANE,                      GEO. W. DAVIS,                      EDW. TUMULTY,  
M. GIBNEY,                      JOS. LEHANEY,                      THOS. McENROE,  
THOS. CALLAN,                      J. H. BREEZE,                      JOSEPH REGAN,  
H. I. O'DONNELL,                      BEN HANLON,                      JOHN HALL.

---

### CHEMIST DEPARTMENT.

Chemist.....WM. T. WENZELL.  
Assistant Chemist.....R. A. GOULD.

---

### BACTERIOLOGICAL DEPARTMENT.

Bacteriologist.....JOHN C. SPENCER, M. D.  
Helper.....A. DESSOUSLAVY.

---

### VETERINARY DEPARTMENT.

I. W. O'ROURKE, D. V. S.

---

### CITY AND COUNTY HOSPITAL.

Superintendent Physician.....J. M. WILLIAMSON, M. D.  
Resident Physician.....F. W. DUDLEY, M. D.  
Steward.....PAUL EDWARDS.  
Clerk.....CHARLES EISNER.

---

### CITY AND COUNTY ALMSHOUSE.

Superintendent.....E. A. REDDY.  
Resident Physician.....W. E. CONLAN, M. D.  
Matron.....MRS. E. A. REDDY.  
Clerk.....F. B. McCLUNG.

---

### QUARANTINE DEPARTMENT.

Quarantine Officer.....W. P. CHALMERS, M. D.  
Captain of Steamer.....W. H. MILESTONE.  
Engineer of Steamer.....J. D. SULLIVAN.  
Deckhand.....J. F. GATELY.  
Messenger.....J. J. HILLIARD.

## BOARD OF HEALTH'S REPORT.

## CITY PHYSICIAN.

City Physician ..... A. P. O'BRIEN, M. D.  
 Assistant City Physician ..... J. R. McMURDO, M. D.

## CITY RECEIVING HOSPITAL.

Police Surgeon..... CONRAD WEIL, M. D.  
 Assistant Police Surgeon..... F. T. FITZGIBBON, M. D.  
 Assistant Police Surgeon..... EDWIN BUNNELL, M. D.  
 Assistant Police Surgeon..... G. H. THOMPSON, M. D.  
 Assistant Police Surgeon..... J. P. TORMEY, M. D.  
 Steward..... C. BUCHER.  
 Assistant Steward ..... J. FOGARTY.  
 Assistant Steward ..... JOSEPH MOGAN.

## GOLDEN GATE PARK AMBULANCE STATION.

Assistant Police Surgeon..... W. W. WYMORE, M. D.  
 Assistant Police Surgeon..... J. T. STAFFORD, M. D.  
 Ambulance Driver..... CHARLES KAPLAN.  
 Ambulance Driver..... J. W. KELLY.

## HARBOR AMBULANCE STATION.

Assistant Police Surgeon..... EDWARD E. HILL, M. D.  
 Assistant Police Surgeon..... R. E. HARTLEY, M. D.  
 Ambulance Driver..... JOHN TRACY.  
 Ambulance Driver..... GEORGE LILLY.

## TWENTY-SIXTH STREET HOSPITAL.

Steward..... J. P. KEATING.  
 Nurse..... GEORGE RUDDOCK.

## CITY CEMETERY.

Superintendent..... JAMES O'KANE.

# REPORT

## OF THE

### BOARD OF HEALTH

OF THE CITY AND COUNTY OF SAN FRANCISCO.

---

*To the Honorable the Mayor  
Of the City and County of San Francisco—*

SIR: In accordance with the plan inaugurated by this Board at the close of the fiscal year ending June 30th, 1896, we transmit to you herewith a brief outline of the principal work accomplished by the Health Department since the presentation of the last annual report.

Through the liberality of the last Board of Supervisors, the Health Department has had the opportunity to increase its efficiency and to engage more extensively in the task of investigating the sanitary requirements of the community than had been possible during any previous administration in the history of the city government. For years this Department had been forced by civic penury, if not by its own contented lethargy, to maintain its existence on the meagre and insufficient appropriation of \$26,000 per annum. The number of employees was the same as when the Department was first organized, while the population of the city had in the meantime nearly doubled and the unsanitary conditions due to such increase of inhabitants greatly augmented.

In September of the past fiscal year the sum of \$65,000 was set apart by the Board of Supervisors for the salaries and expenses of the Health Department, and as soon as this fund was available immediate steps were taken to regulate its expenditure in the best interests of the city.

The number of Health Inspectors has been increased from six to eight, and the city redistricted, thus rendering it possible to secure a more thorough and detailed inspection than with the limited force formerly employed.

An Inspector of Bakeries has been appointed, who, since the commencement of his term of office, has inspected and caused to be placed in a proper sanitary state 257 bakeries. The filthy and disease-breeding surroundings

which formerly appertained to many of these bakeshops have been entirely abated by the exertions of this officer, and his system of daily inspection effectively prevents a relapse into their former deplorable condition.

Two Bath and Laundry Inspectors have been added to the list of employees. Every laundry in the city, including those conducted by Chinese, has been inspected, and wherever found lacking in sanitation has been cleansed and renovated. Cement floors in wash-rooms have been insisted upon; the walls have been stripped of their moldy wall paper and coated with fresh lime; the inmates have been prohibited from sleeping under the ironing tables, and, through the Board of Supervisors, an ordinance has been passed forbidding the spraying of clothes by means of water emitted from the month.

To facilitate the proper installation and inspection of plumbing, Health Inspectors are now required to refer all work of this nature to the Plumbing Inspectors. The duties of the Plumbing Inspectors have greatly increased, and two assistants additional have been placed on the roll of this branch of the Department. A Sewer Inspector has also been appointed and placed under the orders of the Chief Plumbing Inspector. New plumbing laws have been adopted and submitted to the Board of Supervisors for their approval. These laws contain the best features of those at present in force in the principal Eastern cities. A rigorous supervision of all plumbing work in new buildings, and repairs in old buildings, is constantly being carried out. Vast amount of imperfect plumbing in the Chinese and Latin quarters has been condemned and replaced by that of a modern type. In many of the public and private schools new closets and additional sanitary appliances have been placed.

The market inspection is not what it should be. The force engaged in this particular division of the Department is entirely inadequate, and the number of inspectors should be doubled. It is an impossibility for the Chief Market Inspector and his three assistants to inspect all meat in this city intended for human consumption. At the present time the duty imposed upon the Chief is that of examining meat exposed for sale in the various public markets and retail shops. One assistant is required to patrol the approaches to the city from the south and west; another is detailed to watch consignments arriving at the water-front, while the fourth is on duty in Butchertown—the most important detail of all.

The inspection in Butchertown imperatively requires a larger force of men in order to examine properly the meat coming from that source. Since the withdrawal of the U. S. Government Inspectors from these abattoirs, the necessity of reinforced inspection by the local officers has become more urgent.

Notwithstanding the paucity of Market Inspectors, the results of their inspection have been to a marked extent very satisfactory. Meat exposed for sale, as well as that furnished to public institutions, is of a quality superior to that formerly sold. Many condemnations and seizures of immature

and diseased meat have been enforced and several arrests have been made, all but one of which resulted in conviction. One offender received a maximum sentence of six months in the County jail as a penalty for selling diseased meat.

Fish markets have been carefully watched and frequent seizures made. Large quantities of putrid fish have been condemned and destroyed. The traffic in shark meat, sold for halibut, has to a great extent been abolished.

For the betterment of the market inspection there is need of new and stringent city ordinances; one requiring both wholesale and retail butchers to register in, and receive permits from, the Health Department, following the same plan as in the case of milk dealers; and another prohibiting the exposure of meat to the dust from the streets during transit, and requiring all meat wagons to be properly covered. The hanging of meat outside of butcher shops, where it gathers every form of impurity, should also be forbidden.

Under the increased appropriation the Board of Health has been enabled to establish and equip two laboratories—one for the examination of food, the other for bacteriological investigation. An official Chemist with an assistant, has been placed in charge of the chemical laboratory and is constantly engaged in the analysis of food-stuffs. In the bacteriological laboratory valuable services have been rendered. A systematic plan has been adopted for the verification of diagnosis in cases of diphtheria reported by physicians to this Department. Sterilized swabs placed in sterilized tubes are prepared in this laboratory and forwarded to various stations in the city designated officially by this Board, where they are at the disposal of all physicians. In reporting cases of diphtheria, physicians now submit the secretions from the throats of suspected cases by means of these swabs, which, after being used, are replaced in the tubes and forwarded to the laboratory. Cultures are then made and the character of the disease determined, reports being furnished within a few hours to the physicians interested. Investigations are also continually being made in this laboratory of *post mortem* specimens taken from cattle slaughtered by order of the Veterinary Surgeon.

One of the most important acts of this Department during the past year has been the founding of a Bureau of Food Inspection. This bureau is under the direction of the Chief Food Inspector, whose staff consists of fourteen food and milk inspectors. Four food inspection stations have been established, at each of which day and night inspectors are constantly on duty for the inspection of milk. These stations are so located that every consignment of milk coming to this city passes through the station situated on the particular route by which it enters. The milk is subjected to different tests in order to determine its quality, and when found satisfactory, the vehicle in which it is carried is labeled with the inspection tag of the Department. All persons selling milk in this city are now required to obtain a permit from the Health Department before being licensed, and the Department has the power to revoke permits in any and all cases of violation of the milk ordinance.

Two Milk Inspectors patrol the city daily, taking samples of milk from the different hotels and restaurants and taking the same to the laboratory of the Food Department, where tests are made to determine its purity. Very rarely has a sample of milk taken by these inspectors failed to come up to the official standard, which fact demonstrates conclusively the success of inspection at the stations.

Inspectors of the Food Bureau are authorized to purchase samples of foods from different stores in the city, the same to be placed in the hands of the Chemist for analysis. The Chemist renders monthly reports, and where his analysis shows articles purchased to be adulterations or substitutions, warrants are promptly issued for the arrest of the offending dealers. All brands of condensed milks, catsups and jellies have been inspected and analyzed, and many palpable and startling adulterations made known to the public. Several dealers who have made a specialty of vending imitation food-stuffs have, by reason of these reports of the Chemist, been forced to retire from the trade, and others have been heavily fined and compelled to stock their shelves with genuine and unadulterated goods. This Bureau has adopted an official standard for catsups which has been utilized and adopted by Eastern firms who have been engaged in the importation and manufacture of this commodity.

By order of the Chief Food Inspector, a close watch has been kept upon shipments of fruit arriving in this city. Large quantities have been found unfit for human consumption and have been condemned and thrown into the bay. The practice engaged in by careless dealers of using old and dirty boxes for the packing of fruit has been checked. Berries and other fresh fruits brought into this city are now required to be packed in new and clean boxes.

Another important feature in the improvement of the Health Department has been the appointment of a Veterinary Surgeon. During the year 152 dairies have been inspected, with herds aggregating 8,300 head of cattle. The application of the U. S. tuberculin tests, officially adopted by this Board, was deferred to the latter part of the year, owing to the earnest plea of interested dairymen, who petitioned the Board of Health to postpone its activity in this direction until legislative measures could be secured providing compensation for cattle destroyed. The Board acceded to this request, but the Legislature having taken no action in the premises, it was not deemed advisable to delay longer the enforcement of this important test, and during the last three months the cattle in several of the largest dairies have been subjected to the United States test, and all those found in any degree to be afflicted with tuberculosis were immediately slaughtered.

The appointment of a Public Vaccination Officer, to be in attendance at regular hours in the Health Office, has been productive of good results. The regulation of requiring children who have been vaccinated to return for inspection before receiving a certificate entitling them to admission to the public schools, enhances the efficiency of this service. During the past



fiscal year the total number of free vaccinations amounted to 8,517—being an average of over 700 per month.

The largest number of birth certificates ever recorded in the annals of this Department has been filed in the office of the Secretary during the past year. The following figures of comparison are of interest :

Total number of births, 1894-95.....	3,755
Total number of births, 1895-96.....	5,020
Total number of births, 1896-97.....	5,159

The Board of Health does not claim to have strengthened the virility or improved the fecundity of the people of San Francisco, nor does it boast of a more prolific clientele than the neighboring city of Oakland, but it does claim that by its constant reminders to physicians and midwives of failures to register births occurring in their practice, and latterly the arrest and conviction of those who have been derelict, to have brought about promptness in the filing of birth reports.

The statistical work of the Board has been facilitated by the employment of a Clerk of Vital Statistics. Much interesting literature, pertinent to the Department, has been issued during the year, and the monthly report is the most thorough and exhaustive published by any health department in the United States. Since the inception of the campaign in the interests of Pure Food, the circulation of this report has notably increased ; local and Eastern merchants are constantly making demands for current and back issues. This report contains in brief the details of all business transacted in the various departments under direction of the Board of Health.

This Board is responsible for the drafting of the following ordinances adopted by the Board of Supervisors and now in force :

An ordinance prohibiting expectoration in street cars and public places.

An ordinance prohibiting the throwing of banana peels and other rubbish on the floors of cars and other public places.

An ordinance prohibiting the spraying of clothes in laundries by means of water emitted from the mouth.

An ordinance requiring supplies intended for public institutions to pass through Food Stations for inspection.

An ordinance requiring the reporting by physicians of cases of tuberculosis, typhoid fever and measles, in addition to other contagious and infectious diseases.

Several of these ordinances have penalties for violations thereof attached, and in all cases where arrests have been made the ordinances have been sustained by decision of the courts.

The recent regulation of the Board uniforming the Inspectors of the Department, and the officers and employees in the public institutions, has redounded to the improvement in the personnel as well as to the promoting of discipline.

The sanitary condition of Chinatown and the Latin Quarter has been closely followed and markedly improved, although buildings which have been ordered destroyed have been permitted to stand by reason of injunctions served upon the Board. In a number of cases the owners themselves have caused their destruction and have replaced them by new structures. The plumbing throughout this portion of the city has been, to a great extent, remodeled and renewed, and without hesitation we claim the sanitation of these particular sections to be better than at any time for years past.

In order to devise plans for the improvement of the municipal sewer system, conferences have been held with Professor George Davidson, Mr. C. E. Grunsky and Col. Mendell, and the subject thoroughly discussed in its various phases, but owing to the fact that Boards of Supervisors are strongly inclined to consider innovations in the matter of civic improvement as extravagances, we have not attempted as yet to carry out this project.

Conferences have also been held relative to the matter of Pure Food with prominent commercial bodies of this city, namely: The Manufacturers and Producers' Association, the Merchants' Association, and the Retail Grocers' Association, to all of which associations the Board is indebted for sympathy and support. Delegates have been sent from the Board to the Council of Associated Industries, an organization having for its object the improvement of the quality of commercial exports and imports of this State. At the Pure Food Congress recently held in this city, representatives from this Board were present. Papers were read and addresses delivered by several of the members and officers of this Department. At this Congress resolutions were adopted recommending the action of the Board in pursuing the vital issues involved in the warfare against adulterated and impure foods.

Consultations have been frequent between this Board and the Master Plumbers' Association, where subjects of mutual interest have been discussed. To this association the Board expresses its thanks for much valuable information concerning the subject of sanitary plumbing, and many suggestions have been received from this source which have been of appreciable benefit to the Department.

The prominent dairymen of this City and County have met at intervals with the members of this Board for the purpose of conferring in relation to the milk ordinances and the application of the tuberculin tests. The Board, however, has never found sufficient reason to alter or abridge its intentions in the enforcement of the ordinance regulating the milk supply, notwithstanding numerous protests and suggestions from interested dealers.

The Butchers' Board of Trade has also consulted the Board of Health on important matters, notably in regard to certain measures introduced in the last session of the Legislature. The arguments of this association in opposition to these measures were presented at great length, and the Board was thoroughly convinced that any steps it might take toward the regulation of the meat supply would meet with bitter and determined antagonism on the part of the Butchers' Board of Trade.

At the last session of the State Legislature the Board of Health was instrumental in recommending and endorsing bills introduced for the purpose of granting additional powers to Boards of Health: one providing for the establishment of ordinances by Boards of Health in matters relating to sanitation, such ordinances to have the same weight and authority as those adopted by Boards of Supervisors; another empowering Boards of Health to issue subpoenas for witnesses in all inquiries relating to public health and sanitation. These measures were introduced by Senator Wolfe, of San Francisco, who, within a few days after their introduction, subsequently withdrew both bills from the Senate file, giving as a reason for his action that the opposition to these bills by certain of his constituents was so strong that had he maintained the paternity of them his political future would have been jeopardized. The same bills were simultaneously introduced in the Assembly by Assemblyman Dibble, who fearing neither the enmity of the Butchers' Board of Trade nor its influence on his political future, stoutly advocated, both in committee and on the floor of the House, the passage of both measures.

These bills were strenuously assailed by a powerful lobby led by the Butchers' Board of Trade of San Francisco, which body circulated false and mendacious reports concerning the attitude of the San Francisco Board of Health in desiring their passage. It was stated that they were introduced solely for the purpose of giving the Board of Health of this city an opportunity to interfere with the business of wholesale and retail meat dealers, the ulterior idea being the extortion of money from these people in order that they might avoid an implied persecution. The Butchers' Board of Trade of San Francisco sent a representative to Sacramento from this city in the person of a certain attorney named Martin Stevens, who appeared before the Senate Judiciary Committee and stated to its members that the San Francisco Board of Health had originated and engineered these bills for the sole purpose of levying financial tribute upon his clients, and of further increasing the patronage of the Health Department. The insolent demeanor and insulting language used by this individual in advocating his cause, together with the absolute falsity of the charges made by him, gave such offense to the members of the Senate Committee that he was called to order and denied the privilege of the floor, being at the same time severely reprimanded by the chairman and several of the Senators then present.

It is a matter of regret that both the above-mentioned bills failed of passage; the one being declared unconstitutional by the Senate Judiciary Committee, and the other slaughtered by the emissaries of the Butchers' Board of Trade of San Francisco.

To Senator L. J. Dwyer, of San Francisco, the Board of Health expresses its gratitude for the valuable services rendered by him in introducing Senate Bill No. 60, authorizing the Board of Supervisors of this City and County to levy a special tax for the purpose of erecting a new municipal hospital. The needs of the city in this particular matter were thoroughly understood by

Senator Dwyer, and his able advocacy of this measure resulted in its passage by a large majority of both Houses of the Legislature.

With regard to the mortality tables for the past year, the Board invites your attention to several interesting facts. The total increase in the number of deaths over the fiscal year 1895-96 is 184. Notwithstanding this increase, the number of deaths resulting from pulmonary tuberculosis has been considerably reduced, there having been during the fiscal year 1895-96 1,003 deaths from this disease, while during the last year only 896 deaths from this cause are recorded. This shows a decrease of 107, which may be attributed to the following preventive measures: The improved condition of dairy herds in this and neighboring counties; the inspection of herds for tuberculosis; the inspection of all milk at the different Food Stations; the inspection of meat in slaughter houses and butcher shops, and the improved sanitary condition of private residences, together with the gradual awakening of the public to the knowledge of the danger always present from association with tubercular patients.

The records of the Health Office show that during the fiscal year of 1895-96, 101 deaths occurred from typhoid fever, and that during the past fiscal year only 75 deaths from this disease were recorded, showing a decrease of 26 deaths. The cause for this reduction may be credited to the rigorous inspection of plumbing throughout the city and the carrying out of the house-to-house inspection by officers of the police force acting as Health Inspectors. It may be noted that 34 deaths out of the entire number caused by typhoid fever were reported from the different hospitals of the city, and may practically be classed as transient cases, many of them having arrived in San Francisco from interior points but a few days prior to death and already suffering from the disease.

The prevalence of an epidemic of diphtheria during the latter part of the year 1896, will account for the heavy increase in the number of deaths resulting from this disease. Owing to the vigorous action of the Health Officer and the Inspectors in tracing out the causes of the spread of the disease in those parts of the city in which it particularly flourished, and the subsequent arbitrary but justifiable action of the Board in insisting upon the placing of modern plumbing in many of the public and private schools in the thickly populated sections, mortality was steadily decreased in the infected districts. Since the establishment of the bacteriological laboratory it has been shown that many cases reported as diphtheria by physicians of the city were not such in reality, but were various forms of diseases of the throat resembling it in appearance. Circulars of warning and of explanation, relative to diphtheria, were prepared by the Bacteriologist and issued by the Department at intervals during the year.

It will be well at this point to mention briefly the attempt of the U. S. Marine Hospital Service, under the guise of Federal supremacy, to prevent the Health Department from obtaining information concerning the prevalence of contagious and infectious diseases in foreign ports. This Service

has made every effort to induce shipping firms and shipping masters to violate the laws of the State providing for quarantine inspection and the payment of quarantine fees, and has furthermore promised all such as obey its suggestions, immunity from punishment by the State authorities. Protests have been sent by this Board to the Treasury Department, citing instances of unwarranted aggression on the part of the officers of the Marine Hospital Service, but have never been accorded the courtesy of reply. Under order of the Board, arrests of offending parties have been made and the Courts will be called upon to pass upon the right of San Francisco to maintain its quarantine service.

The Receiving Hospital, during the early part of the year, was greatly crippled by lack of surgical instruments. These instruments have been provided for by a special appropriation by the Board of Supervisors, but the parties to whom the contract for these supplies had been awarded showed no disposition to furnish them. The Board of Health thereupon passed a resolution ordering the Receiving Hospital closed until the equipment of instruments had been provided. Within a few hours after the passage of the resolution, the required articles were delivered at the Hospital.

The detention of insane patients in the indescribably filthy apartments adjacent to the Receiving Hospital, in the basement of the New City Hall, has merited and received the condemnation of this Board, and we are pleased to report that by the combined efforts of Sheriff Whelan and the members of this Board, the City Hall Commissioners have been persuaded to provide more commodious and better ventilated quarters for the reception of these cases in another part of the building, where their comfort and safety will be assured.

Up to the past year, San Francisco has had no facilities for the treatment of emergency cases other than those afforded by the City Receiving Hospital at the New City Hall, to which Hospital the injured were conveyed mainly in Police Patrol wagons and in ordinary vehicles, as the one ambulance attached to the Hospital was insufficient for the service required in responding to the numerous calls from different portions of the city.

Recognizing the inefficiency of this branch of the Department, and the necessity of providing more adequate means for transportation and treatment of cases requiring immediate aid, two Branch Receiving Hospitals have been established, at each of which an assistant Police Surgeon is on duty day and night. Two modern ambulances, representing the most improved type of this class of vehicles, have been constructed from designs selected by this Board after careful consideration. To each station an ambulance has been assigned and is held in readiness for calls at any hour. One of the ambulance stations is located in Golden Gate Park, in a building provided by the Park Commissioners without expense to the city; the other station has been placed on the water front, near the ferries. The building in which it is situated was constructed by the Board of State

Harbor Commissioners according to plans submitted to and approved by this Board and also without expense to the city.

Both of these stations have been equipped with the appliances necessary for the handling of cases, both medical and surgical, and the reports of the surgeons in charge fully justify the statement that since the establishment of these Branch Hospitals many lives, which under the old system of conveyance to the Central Hospital, would have been sacrificed during transit, have been saved by the proximity of the ambulance stations to the scenes of accident and the brief time consumed in procuring the necessary assistance.

While much might be said in this report in relation to the present City and County Hospital, and the pressing needs for a new institution, reference to the report of the Superintendent Physician of the Hospital will elicit sufficient information to show that the claims of the Board in this respect are well founded.

The City and County Alms House and its administration continue to be a source of satisfaction to the Health Department, and the Superintendent is deserving of compliment for the excellence of the work accomplished by him since his accession to office.

In conclusion, it is well to remark that in this report much detail has of necessity been omitted, but we believe that enough has been set forth to demonstrate that the course of this Department has been progressive, and that its policy has been one of activity directed toward improving the sanitary condition of the City of San Francisco and of protecting the health of its inhabitants.

Respectfully,

G. J. FITZGIBBON, M. D.,

H. H. HART, M. D.,

J. F. MORSE, M. D.,

J. M. WILLIAMSON, M. D.

# HEALTH OFFICER'S REPORT.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Supervisors*

*Of the City and County of San Francisco —*

GENTLEMEN: I beg to submit to your Honorable Body my report for the fiscal year ending June 30, 1897.

In briefly reviewing the work of the past year, I shall respectfully call your attention to some of the valuable results achieved.

In my last annual report I referred to the importance of reform in sanitary matters, and a general revision of some of the old methods which had so long prevailed, and the introduction of some of the new methods which conform with the requirements of modern sanitary science.

Much has been accomplished in this direction, and in addition to it the Board of Health has assumed the tremendous work of preventing the sale of adulterated foods. No organized system for this purpose has ever been put in practice before, and it became necessary to establish and organize an entirely new department, which has been designated the Food Department. Four stations were selected situated at City Front, Army and Alabama, Geary and Central avenue, and Fourth near Berry streets, and eight new Inspectors appointed to man them. These stations are kept open day and night and all dealers in milk are required to pass through them, their milk being examined before entering the city. Any found to be impure or adulterated, is confiscated and destroyed. For a more complete review of the work of this department I respectfully refer you to the report of the officers in charge of the same.

In the Plumbing Department new rules have been established and successfully carried out. This department is under the management of Chief Plumbing Inspector J. J. Sullivan, who, finding under the new rules, the number of his assistants were inadequate to perform the work, two additional plumbing inspectors were appointed, making four instead of two. All the defective plumbing is now referred to this department.

The duties of Health Inspectors consist in the inspection and abatement of such nuisances as are dangerous to life and health, and that a more effective and thorough inspection should be attained, two additional inspectors were appointed during the past year, making eight instead of six. The city is divided into eight districts and an inspector is detailed for each, compelled to make a thorough inspection of his district, and to report daily at the

## HEALTH OFFICER'S REPORT.

office the work he has done, which is recorded by the secretary in books specially printed for the purpose. In this manner a most thorough and complete service is obtained.

The establishment of two properly equipped Emergency Hospitals has greatly added to the efficiency of the Receiving Hospital Department.

A Bacteriological Department, most ably presided over by Dr. John C. Spencer, and a Chemical Laboratory under the supervision of Prof. W. T. Wenzell, are innovations which have been introduced since my last report.

During the months of September and October, 1896, a number of buildings and shanties in Chinatown were condemned and torn down by order of the Board of Health. This work was continued until I was restrained by owners serving injunctions against the Board of Health as well as myself. These cases are as yet unsettled, no decision having been arrived at by the courts. Nevertheless much good was accomplished by the destruction of the many filthy, reeking, useless houses, as well as compelling property owners to repair a large number of others, many of which were in a most frightful sanitary condition, and put them in proper shape by entirely renovating the plumbing. Work in this direction was undoubtedly expedited by the fear of owners of such miserable structures that their property would be condemned and destroyed by order of the Board of Health. In my estimation this work should be again resumed and continued until the many rickety, tumble-down, uninhabitable houses still standing in San Francisco are entirely destroyed, and I also believe that the litigation brought about by endeavoring to enforce this very important sanitary measure should be urged to a speedy settlement, so that the rights of the Board of Health may be absolutely determined beyond peradventure of question.

The market inspection is under the management of Chief Inspector Ben Davis, assisted by three deputies. The Chief Inspector's duties consist in the general supervision of the entire service extending over the city. One assistant is located at Butchertown, and it is his duty to see that no diseased meat shall enter the market. Another is stationed at the City Front to guard against the entrance of impure food, or diseased animals. The other inspector covers the entire city and looks to the sanitary condition of the markets and meats. These services, as suggested by the Chief Market Inspector in his report, are utterly inadequate to fulfill the requirements entailed by the ordinances of your Honorable Body in regard to the supervision of meat supplies being slaughtered for and sold in the City and County of San Francisco.

Respectfully submitted,

A. S. LOVELACE, M. D.,

Health Officer.



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## ALPHABETICAL LIST OF THE CAUSES OF DEATH

FOR THE FISCAL YEAR ENDING JUNE 30, 1897.

Alcoholism.....	23	Gangrene.....	4
Anemia.....	18	Herpes-zoster.....	1
Apoplexy.....	211	Hydrocephalus.....	5
Asthma.....	2	Hydro-thorax.....	3
Appendicitis.....	14	Hæmoptysis.....	33
Abscesses.....	27	Hæmatemesis.....	10
Atrophy, innition, etc.....	265	Hepatitis.....	226
Asthenia and general debility.....	237	Hernia.....	16
Beri-beri.....	1	Heart diseases.....	756
Brain, congestion.....	15	Influenza.....	9
Brain, softening.....	50	Insanity.....	2
Bronchitis.....	195	Intestinal obstruction.....	36
Birth, premature.....	23	Intestinal inflammation.....	10
Cholera infantum.....	68	Intestinal gangrene.....	1
Croup.....	43	Leucocœthamia.....	4
Cerebro-spinal meningitis.....	19	Laryngitis.....	10
Cancer.....	344	Lungs, congestion.....	44
Convulsions, infantile.....	118	Lungs, œdema.....	5
Cerebral sclerosis.....	1	Measles.....	13
Cystitis.....	12	Morphinism.....	11
Childbirth.....	8	Myelitis.....	6
Diarrhœa.....	17	Nephritis.....	248
Diphtheria.....	65	Neuritis.....	1
Diabetes.....	31	Pertussis.....	21
Erysipelas.....	13	Purpura hæmorrhagica.....	2
Encephalitis, etc.....	210	Phthisis pulmonalis.....	896
Epilepsy.....	11	Paralysis.....	48
Emphysemia.....	3	Pulmonic obstruction.....	1
Entero-colitis.....	8	Pneumonia.....	513
Enteritis.....	127	Peritonitis.....	68
Fever, typhoid.....	75	Prostate gland, disease of.....	1
Fever, malarial.....	10	Potts' disease.....	1
Fever, puerperal.....	7	Puerperal eclampsia.....	4
Fever, brain.....	1	Puerperal mania.....	1
Gastritis.....	40	Pyæmia, stricture of.....	1
Gastro-enteritis.....	62	Rheumatism.....	13
Goitre.....	1	Rectum, imperforate.....	1
Gangrene of lungs.....	2	Scarlatina.....	6
Gangrene of foot.....	3	Septicæmia.....	52

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Syphilis.....	5	Tubercular meningitis.....	61
Syphilis, congenital.....	22	Tubercular peritonitis.....	7
Spina bifida.....	1	Tubercular laryngitis.....	3
Scrofula.....	3	Tuberculosis of stomach.....	1
Stomach ulceration.....	2	Tuberculosis of liver.....	1
Spinal caries.....	1	Tuberculosis of kidney.....	1
Spinal cord softening.....	1	Tuberculosis of knee joint.....	1
Shock.....	33	Tuberculosis of intestines.....	24
Tetanus.....	5	Tuberculosis of bladder.....	2
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TABLE No. I. .

MONTHLY DISTRIBUTION OF MORTALITY IN SAN FRANCISCO FOR  
TWENTY-FIVE YEARS.

FISCAL YEARS.	Caucasian & African.	Mongolian.	Total.	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
1872-73	3236	405	3641	297	384	290	130	329	204	301	206	323	328	361	368
1873-74	3518	465	4013	331	294	308	330	338	425	391	300	363	289	292	343
1874-75	3710	453	4163	366	337	321	379	320	333	349	310	369	373	347	359
1875-76	4182	609	4791	371	378	324	408	438	410	405	387	364	347	308	561
1876-77	5555	615	6170	507	477	548	526	542	607	641	496	511	464	444	407
1877-78	4450	527	4977	417	394	434	438	401	463	457	397	411	425	377	368
1878-79	3970	533	4493	375	344	384	395	399	438	463	370	325	339	370	321
1879-80	3873	467	4340	335	313	377	405	341	352	393	363	422	405	316	318
1880-81	3808	479	4287	343	373	346	350	380	340	370	314	351	319	349	352
1881-82	4481	527	5008	312	317	324	354	392	424	518	509	584	401	465	408
1882-83	4430	558	4988	419	420	414	400	419	462	440	399	449	385	398	385
1883-84	4408	502	5000	470	366	435	391	392	419	432	443	414	395	457	386
1884-85	4818	470	5288	452	369	364	380	379	440	438	468	502	468	512	516
1885-86	4860	462	5322	458	445	415	432	421	521	519	382	479	418	435	397
1886-87	4871	488	5359	437	408	394	425	452	491	522	451	445	450	475	409
1887-88	5507	529	6036	459	409	427	486	544	582	650	517	488	501	504	479
1888-89	5170	559	5729	519	478	425	469	562	473	517	484	479	478	456	398
1889-90	5770	608	6378	443	408	453	507	479	482	798	551	606	562	551	541
1890-91	6138	512	6650	600	549	460	540	545	580	612	574	603	564	530	495
1891-92	6499	421	6911	580	550	465	554	548	800	700	593	579	486	536	526
1892-93	5647	414	6061	580	450	468	452	540	565	567	478	529	466	514	452
1893-94	5643	417	6060	489	440	468	488	525	503	607	498	565	546	490	441
1894-95	5672	387	6059	489	527	494	518	522	522	547	493	609	469	426	443
1895-96	5521	445	5966	539	438	460	480	496	514	493	483	528	497	538	500
1896-97	5638	462	6150	505	454	466	506	463	603	613	551	560	478	465	486

• TABLE No. II.

MORTALITY IN SAN FRANCISCO FOR TWENTY-FIVE YEARS, ARRANGED  
ACCORDING TO CLASSES.

CAUSES OF DEATH.							
FISCAL YEARS.	Zymotic Diseases.	Constitutional Diseases.	Local Diseases.	Develop- mental Diseases.	Violent Deaths	Unascertained Causes.	Total.
1872-73 .....	652	672	1,410	412	151	344	3,641
1873-74 .....	922	728	1,428	429	187	319	4,913
1874-75 .....	785	743	1,503	537	222	373	4,163
1875-76 .....	930	856	856	1,691	570	492	4,791
1876-77 .....	2,148	814	1,846	593	276	493	6,170
1877-78 .....	1,027	876	1,811	544	273	446	4,977
1878-79 .....	713	875	1,729	546	215	385	4,493
1879-80 .....	555	884	1,797	563	267	274	4,340
1880-81 .....	645	815	1,884	521	191	201	4,257
1881-82 .....	718	957	2,410	569	238	125	5,008
1882-83 .....	644	1,111	2,375	513	263	82	4,988
1883-84 .....	670	1,155	2,381	528	215	21	5,000
1884-85 .....	927	952	2,440	582	276	111	5,288
1885-86 .....	775	1,017	2,364	554	280	332	5,322
1886-87 .....	810	1,056	2,143	574	272	504	5,319
1887-88 .....	888	1,258	2,917	504	296	173	6,036
1888-89 .....	637	1,312	2,748	609	312	81	5,729
1889-90 .....	752	1,315	3,346	633	314	18	6,378
1890-91 .....	1,102	1,231	3,211	728	337	11	6,650
1891-92 .....	1,002	1,293	3,488	789	338	1	6,911
1892-93 .....	762	1,172	3,083	677	367	.....	6,061
1893-94 .....	564	1,294	3,220	606	376	.....	6,060
1894-95 .....	539	1,477	3,129	574	339	1	6,050
1895-96 .....	472	1,460	3,068	581	383	2	5,966
1896-97 .....	469	1,395	3,287	550	449	.....	6,150

TABLE No. III.

ESTIMATED POPULATION, DEATHS AND DEATH RATE OF SAN FRANCISCO  
FOR TWENTY-FIVE YEARS.

FISCAL YEARS.	ESTIMATED POPULATION.	DEATHS.	PER CENT PER 1,000.
1872-73 .....	188,323	2,641	19.33
1873-74 .....	200,770	4,013	19.98
1874-75 .....	230,132	4,163	18.09
1875-76 .....	272,345	4,791	17.59
1876-77 .....	300,000	6,170	20.54
1877-78 .....	300,000	4,977	16.59
1878-79 .....	305,000	4,492	14.75
1879-80 .....	†234,520	4,340	18.50
1880-81 .....	†234,520	4,287	18.27
1881-82 .....	†234,520	5,008	21.34
1882-83 .....	†250,000	4,988	19.92
1883-84 .....	†270,000	5,000	18.47
1884-85 .....	†270,000	5,288	19.58
1885-86 .....	†280,000	5,322	19.00
1886-87 .....	†300,000	5,359	17.86
1887-88 .....	†330,000	6,036	18.27
1888-89 .....	†330,000	5,729	17.36
1889-90 .....	†300,000	6,378	21.26
1890-91 .....	†330,000	6,650	20.15
1891-92 .....	†330,000	6,911	20.94
1892-93 .....	†330,000	6,061	18.36
1893-94 .....	†330,000	6,060	18.36
1894-95 .....	†330,000	6,059	18.36
1895-96 .....	†330,000	5,966	18.07
1896-97 .....	†360,000	6,150	17.08

\*According to Langley's City Directory.

†Estimated.

TABLE

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,

Number of Deaths, Fiscal Year

CAUSES OF DEATH.	Total.	AGES.												
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.
														Over 100.
														Unascertained.
All causes.....	6150	1001	209	236	120	65	126	608	770	783	774	816	479	137
Specified causes.....														16
Unascertained causes.....														1
CLASSES.														
I. Zymotic diseases.....	469	110	27	77	41	10	6	43	53	38	30	22	9	3
II. Constitutional diseases.....	1395	62	25	36	17	15	62	258	294	231	199	143	46	7
III. Local diseases.....	3287	553	150	121	50	34	40	216	317	418	473	527	329	60
IV. Developmental diseases.....	550	273	6	3	1	...	2	15	8	2	12	74	81	63
V. Violent deaths.....	449	3	1	9	11	6	15	76	98	94	60	50	14	4
VI. Unascertained causes.....														8
I.														
1. Miasmatic.....	412	107	27	77	41	9	6	39	38	25	20	14	8	1
2. Enthetic.....	5								4	1				
3. Dietic.....	52	3				1		4	11	12	10	8	1	2
II.														
1. Diathetic.....	387	19	4	4	1	1	1	7	32	70	114	95	34	5
2. Tubercular.....	1008	43	21	32	16	11	61	251	262	161	85	48	12	2
III.														
1. Nervous system.....	700	160	55	46	11	9	3	32	41	49	83	103	89	18
2. Circulatory system.....	756	11	1	4	11	11	13	41	75	116	136	205	111	10
3. Respiratory system.....	869	208	63	47	18	5	6	44	73	88	85	91	60	17



## MORTUARY STATISTICS.

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## No. IV.

DURING THE FISCAL YEAR ENDING JUNE 30, 1897.

Ending June 30, 1896—5,966.

SEX.	RACE.		WARDS.														Public Institutions.	Violent Deaths.	NATIVITIES.					
																			Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.		
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.								
3769	2381	5632	462	56	145	296	5	391	13	218	107	230	252	421	1327	796	1500	....	449	..	2882	976	2216	75
269	200	454	12	3	9	30	...	11	1	8	13	12	29	33	164	54	105	....	...	...	114	58	288	9
86	535	1202	174	19	33	70	1	142	2	64	18	58	50	93	285	178	401	....	...	...	701	261	427	6
2005	1282	3039	222	26	97	174	4	204	10	122	67	141	143	254	748	486	837	....	...	...	1626	514	1119	28
272	278	504	38	8	6	22	...	34	...	24	9	19	30	41	130	78	157	....	...	...	197	57	295	1
363	86	433	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	449	..	245	86	87	31
231	181	402	7	3	8	26	...	4	1	7	13	8	28	25	158	52	82	....	...	...	90	43	277	2
4	1	2	3	...	...	...	...	3	...	...	...	1	...	...	...	...	1	....	...	...	4	...	1	...
34	18	50	2	...	1	4	...	4	...	1	...	3	1	8	6	2	22	....	...	...	26	15	10	7
217	170	343	44	...	3	17	...	38	1	19	2	15	7	15	68	51	151	....	...	...	242	98	44	3
643	365	859	130	19	30	53	1	104	1	45	16	43	43	78	217	127	250	....	...	...	459	163	383	3
407	293	685	12	3	18	45	2	28	3	15	16	27	30	54	187	130	135	....	...	...	278	106	312	4
500	256	704	43	9	18	34	2	42	4	25	14	44	30	66	166	128	183	....	...	...	49	164	87	10
488	321	759	42	8	32	53	...	46	2	25	23	27	48	66	203	92	192	....	...	...	377	82	383	7

### HEALTH OFFICER'S REPORT.

TABLE No. IV

[illegible]

## MORTUARY STATISTICS.

27

—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.		Violent Deaths.		NATIVITIES.				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.		
369	263	528	101	3	18	29	...	67	1	44	9	12	25	42	125	71	189	...	288	65	276	3		
195	97	270	20	2	11	11	...	20	...	11	5	15	8	19	50	52	90	...	177	75	38	2		
12	6	16	1	1	...	1	...	...	1	...	1	1	1	1	2	4	7	...	12	3	3	...		
34	46	77	3	...	...	1	...	1	...	1	...	5	1	6	15	9	41	...	35	19	20	2		
17	11	28	...	...	...	3	...	1	...	1	1	3	3	2	7	5	2	...	...	...	28	...		
...	20	17	3	...	...	1	...	1	...	2	...	2	1	1	7	4	1	...	7	4	9	...		
124	113	205	29	3	2	6	...	22	...	16	3	7	6	12	45	42	76	...	185	52	...	...		
131	134	254	6	5	4	12	...	10	...	5	5	7	20	26	71	27	78	...	5	1	258	1		
263	86	433	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	449	243	86	87	31		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		

TABLE No. IV

CAUSES OF DEATH.	Total.	AGES.														
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Unascertained.
CLASS 1—ZYMOTIC DISEASES.																
Order 1—Miasmatic.																
Cholera infantum.....	68	63	3	2												
Croup.....	43	4	5	23	8	1				1	1					
Cerebro-spinal meningitis.....	19	7	4	6				2								
Diarrhoea.....	17	7	1					2		2	3	2				
Diphtheria.....	66	5	4	33	19	2	1	1		1						
Erysipelas.....	13	3							4	3	2		1			
Fever, typhoid.....	75			2	6	4	5	24	14	11	5	3	1			
Fever, malarial.....	10	1				1		2	1	3	2					
Influenza.....	9								1	1	1	2	3	1		
Measles.....	13	2	2	5	4											
Pertussis.....	21	12	8	1												
Scarlatina.....	6			2	4											
Septicæmia.....	52	3		3		1		9	17	7	6	5	1			
Order 2—Enthetic.																
Syphilis.....	5								4	1						
Order 3—Dietic.																
Alcoholism.....	23								5	6	7	4	1			
Anæmia.....	13	3				1		1	3	2	2	4		2		
Morphinism.....	11							3	3	4	1					

## MORTUARY STATISTICS.

29

--CONTINUED.

SEX.	RACE		WARDS.											Public Institutions	Violent Deaths	NATIVITIES.			
			1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward			Foreign Countries	Atlantic States	Pacific Coast	Unascertained
Male																			
35	33	68	2	13					4	6	7	27	9			1	1	66	
25	18	43		5						5	5	17	6	5			4	39	
9	10	19		2			1					2	11	2	1		1	18	
10	7	16	1	2	1	1							4	1	6		6	2	9
33	33	66		1	1	1	1	7		5	4	39	5	3		2	3	61	
8	5	13		1					2	1	1	6		2		5	5	3	
56	19	72	2	1	2	1	1	2		4	1	19	11	34		36	11	27	1
6	4	9	1	1	1					1	1	2	2	2		4	2	3	1
6	3	9		1				1	3				3	1		8	1		
7	6	13		1					1	1	1	7	2			1	1	11	
7	14	20	1				1			2	2	9	7			1		20	
3	3	6											5	1				6	
26	26	48	3	1	1			2	1	4	1	9	5	29		25	13	14	
4	1	2	3			3			1					1		4		1	
16	7	23		1	1	1				1	4	1		14		12	4	2	5
11	7	16	2		3	2	1		1		2	4	2	3		7	4	7	
7	4	11				1			1	1	2	1		5		1	7	1	2

TABLE No. IV

CAUSES OF DEATH.	Total.	AGES.														
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Uncertain.
CLASS II CONSTITUTIONAL DISEASES.																
Order 1—Diathetic.																
Cancer. ....	344	1	1				5	30	65	112	93	34	3			
Herpes Foster.....	1									1						
Leucoeythemia.....	4		1		1		2									
Purpura hæmorrhagica. ....	2							1			1					
Rheumatism.....	13	1		1		1		1	5	1	1			2		
Spina Bifida.....	1	1														
Syphilis, congenital.....	22	18	2	2												
Order 2—Tubercular.																
Hydrocephalus.....	5	5														
Hydrothorax.....	3							1		1	1					
Phthisis pulmonalis..	896	11	5	8	7	12	56	246	253	160	79	45	12	2		
Scrofula.....	3		1					1			1					
Tubercular meningitis.....	61	14	14	22	6	1	2	1	1							
Tubercular peritonitis .....	7	2		1		1	1		2							
Tubercular laryngitis.....	3										2	1				
Tuberculosis of stomach.....	1						1									
Tuberculosis of liver..	1									1						
Tuberculosis of kidney.....	1								1							
Tuberculosis of knee joint.....	1											1				
Tuberculosis of intestines.....	24	11	1	1	3		1	1	4		2					
Tuberculosis of bladder .....	2							2								

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.		Violent Deaths.		NATIVITIES.				
Male	Female	Caucasian	Mongolian	African	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward	Public Institutions	Violent Deaths	Foreign Countries	Atlantic States	Pacific Coast	Unascertained		
187	157	302	42	3	15	36	1	19	2	15	6	13	62	45	127	.....	.....	.....	232	96	13	3		
1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	
3	1	4	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....	1	.....	3	.....	.....	
2	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	1	.....	1	.....	.....	
9	4	11	2	.....	.....	2	.....	.....	.....	.....	.....	2	2	3	4	.....	.....	.....	8	1	4	.....	.....	
.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	
15	7	22	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	2	1	17	.....	.....	.....	.....	22	.....	.....	
3	2	4	1	.....	2	.....	1	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	5	.....	.....	
2	1	3	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	3	.....	.....	.....	
578	318	749	178	19	25	40	1	98	1	45	12	38	39	65	186	109	237	.....	.....	446	154	294	2	
.....	3	3	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	1	2	.....	.....	
37	24	61	.....	2	7	.....	2	.....	.....	3	2	2	7	22	9	5	.....	.....	2	1	58	.....	.....	
7	.....	6	1	1	.....	1	.....	.....	1	1	.....	2	.....	.....	1	.....	.....	.....	2	.....	5	.....	.....	
3	.....	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	2	.....	.....	1	.....	
.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	
.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	
.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	
1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	
11	12	24	.....	1	3	.....	.....	.....	.....	.....	1	1	4	4	7	3	.....	.....	2	4	18	.....	.....	
1	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	1	1	.....	.....	.....	

TABLE No. IV

CAUSES OF DEATH.	Total	AGES.														Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	
CLASS III—1. CVL.																
Order 1—Nervous.																
Apoplexy.....	211						1	3	14	24	46	56	54	12	1	
Beri-beri.....	1							1								
Brain, congestion.....	15	3						1	1	2	2	4	2			
Brain, softening.....	50								5	4	13	13	13	2		
Brain, fever.....	1			1												
Convulsions, infantile.....	118	89	11	14	3	1										
rebral sclerosis.....	1										1					
Encephalitis, etc.....	210	68	42	31	8	4	1	17	13	8	5	13				
Epilepsy.....	11					1		3	2	3	2					
Insanity.....	2											1	1			
Myelitis.....	6					1		2			2	1				
Neuritis.....	1											1				
Paralysis.....	68		2				1	3	5	7	11	15	20	4		
Tetanus.....	1					2		2	1							
Order 2 Circulatory.																
Heart diseases.....	756	11	1	4	11	11	11	41	75	116	146	205	111	10	2	1
Order 3 Respiratory.																
Asthma.....	2											1	1			
Bronchitis.....	195	71	19	10	4	1		4	4	13	16	23	21	8	1	
Empyæmia.....	3							1		1	1					
Goitre.....	1								1							



## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.			12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unsettled.
134	77	210	1	6	8	2	8	1	9	4	17	5	14	56	46	35		145	58	5	3	
1			1										1					1				
9	6	15			1		1	1				2		2	6	1	1	9	1	5		
29	21	49		1		1		1	1			4	2	2	10	4	25	35	12	3		
	1	1							1											1		
63	55	117	1	6	10		4			6	4	10	16	39	18	5				118		
	1	1														1		1				
115	95	203	5	2	5	21		16		4	5	9	10	13	51	43	39		29	18	163	
9	2	11			1		1							2	3	2	2		3	2	6	
2		2														1	1		1	1		
6		6									1		1	1		3			4		2	
1		1															1		1			
33	35	64	4	1	2		3		1	1		2	4	19	15	20		48	14	5	1	
5		5			1										2	2		1		4		
500	256	704	43	9	18	34	2	42	4	25	14	44	30	66	163	128	183		495	164	87	10
2		2														1	1		2			
108	87	178	17		11	29		16	1	7	5	7	13	16	56	23	26		75	13	105	2
2	1	3							1						1	1			2		1	
	1	1														1					1	

TABLE No. IV

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
Class III, Order 3—Continued.																	
Gangrene of lungs.....	2										2						
Hæmoptysis.....	33			1				4	4	9	7	6	2				
Laryngitis.....	10	2	1	2	1			1	1		1	1					
Lungs, congestion.....	44	14	2	2	1			3	6	7	3	2	2	1	1		
Lungs, œdema.....	5	2						1		1				1			
Pulmonic obstruction.....	1	1															
Pneumonia.....	513	118	41	32	12	4	6	30	57	57	54	58	35	7	2		
Order 4—Digestive.																	
Appendicitis.....	14				2	1	2	2	2	2	2	1					
Entero-celitis.....	8	6	2														
Enteritis.....	127	95	10	3		2	1	4	2	3	2	2	3				
Gastritis.....	40	13	2		1	1		6	3	2	5	6	1				
Gastro-enteritis.....	62	34	12	7		1	1		1	8		3					
Hæmatemesis.....	10	2						2	1	1		4					
Hepatitis.....	236	8	1				1	4	36	78	55	38	13	2			
Hernia.....	16							1	2	4	3	3	2	1			
Intestinal obstruction.....	36	2	1		1	1	1	6	3	4	7	5	3	2			
Intestinal inflammation.....	10	4	1		1			2	2								
Intestinal gangrene.....	1							1									
Peritonitis.....	68		1		3	1	5	24	17	4	3	8	1		1		

## MORTUAR STATISTICS.

35

—CONTINUED.

SEX.	RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES					
			1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertain.		
Male.																						
Female.																						
2		2												2				2				
28	5	24	9	2	1	6	2	1	1	2	3	4	2	9			24	4	5			
8	2	10			2							2	4	2			2	2	6			
19	25	44			2	3	1	2	4	1	6	13	3	9			12	8	23	1		
5		5											1	4			2		3			
1		1											1						1			
313	200	489	16	8	19	28	21	1	14	15	15	32	45	123	56	144		216	55	238	4	
9	5	14			1						1	1	4	4	3			5	3	6		
6	2	8						1		1	1	1	1	3						8		
62	65	122	4	1	4	7	3		4		1	5	5	19	6	73		9	3	114	1	
20	20	38	1	1					2	3	4	3	11	7	10			14	5	21		
26	36	54	8		1	3	6		5	2	1	4	6	21	9	4		5	4	53		
6	4	10			1									5	2	2		7		3		
171	65	153	83	10	12	54	1	31	2	2	4	15	36	22	47			189	26	19	2	
10	6	16						1	1		2	1	1		10			10	3	3		
25	11	36			4	1			1	1		4	5	7	13			21	5	10		
4	6	8	2							2		3	3	1	1			2		8		
	1	1												1						1		
27	41	64	3	1	2	1	3	2	1	1	4	2	17	9	26			25	15	28		

TABLE No. IV

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
Class III, Order 4—Continued.																	
Pylorus, stricture of.....	1										1						
Rectum, imperforate.....	1	1															
Stomach ulceration.....	2								1			1					
Order 5—Urinary.																	
Cystitis.....	12										4	3	2	3			
Diabetes.....	31							2	2	3	7	7	9	1			
Nephritis.....	248	7		2	2	1	3	31	39	41	52	35	30	5			
Prostate gland, disease of.....	1											1					
Order 6—Generative.																	
Order 7—Locomotor.																	
Gangrene of foot.....	3										2		1				
Potts disease.....	1							1									
Spinal caries.....	1								1								
Spinal cord softening.....	1								1								
Tubercularis.....	12					1		1	1	3	2	3	1				
Order 8—Not Localized.																	
Abscesses.....	27	2	1	1			2	7	2	5	3	1	2	1			
Gangrene.....	4			1			1				1		1				
Shock.....	33						2	3	7	8	7	6					
Tumors.....	16						1	2	5	4	3	1					

## MORTUARY STATISTICS.

37

—CONTINUED.

SEX.	RACE.	WARDS.												Violent Deaths.....	NATIVITIES.			
		1st Ward.....	2d Ward.....	3d Ward.....	4th Ward.....	5th Ward.....	6th Ward.....	7th Ward.....	8th Ward.....	9th Ward.....	10th Ward.....	11th Ward.....	12th Ward.....		Foreign Countries.....	Atlantic States.....	Pacific Coast.....	Uncertained
Male.....																		
Female.....																		
1.....	1.....											1.....			1.....			
2.....	2.....		1.....										1.....			1.....		
12.....	12.....	1.....	1.....				1.....			1.....	1.....	1.....	6.....		8.....	4.....		
18.....	13.....	36.....	1.....		1.....		1.....	1.....	4.....	5.....	8.....	11.....			21.....	9.....		1.....
161.....	84.....	227.....	19.....	2.....	10.....	10.....	19.....	9.....	5.....	14.....	8.....	14.....	44.....	43.....	72.....	147.....	62.....	38.....
1.....	1.....												1.....		1.....			
3.....	3.....							1.....			1.....		1.....		2.....			
1.....	1.....												1.....		1.....			
1.....	1.....												1.....		1.....			
1.....	1.....								1.....								1.....	
10.....	2.....	16.....	1.....	1.....	1.....		1.....		1.....		1.....	4.....	4.....		7.....	3.....	2.....	
13.....	14.....	56.....	1.....				1.....	1.....	3.....	16.....	4.....	8.....			16.....	7.....	10.....	
3.....	1.....	4.....									2.....		2.....		2.....		2.....	
13.....	20.....	33.....						1.....	1.....	2.....	2.....	27.....			16.....	11.....	4.....	2.....
5.....	11.....	14.....	2.....		1.....	1.....			3.....	1.....	2.....	1.....	3.....	4.....	11.....	1.....	4.....	

### HEALTH OFFICER'S REPORT.

TABLE No. IV

[illegible]

## MORTUARY STATISTICS.

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—CONCLUDED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
Male	Female	Caucasian	Mongolian	African	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.			12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertain.
17	11	28			3		1		1	1	3	3	2	7	5	2				28		
	8	5	3				1		2			1	1	2	1			6	1	1		
	7	7			1						1			2	2	1		1	1	5		
	4	4									1				1				2	2		
	1	1													1					1		
124	113	205	29	3	2	6	22	16	3	7	6	12	45	42	76			185	52			
131	134	254	6	5	4	12	10		5	5	7	20	26	71	27	78		5	1	258	1	
363	86	433	16														449	245	86	87	31	

## HEALTH OFFICER'S REPORT.

TABLE

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL., DURING THE

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
All causes .....	2997	553	83	96	42	28	63	306	387	414	367	372	219	69	6	1	
Specified causes .....																	
Unascertained causes.....																	
CLASSES.																	
I. Zymotic diseases.....	224	73	15	28	13	7	3	21	20	24	12	4	3	1			
II. Constitutional diseases.....	712	40	13	16	7	5	30	125	150	127	93	79	23	4			
III. Local diseases. ....	1570	293	53	46	13	13	21	115	160	211	229	236	153	23	4		
IV. Developmental diseases.....	262	147	1	1	1		3	5	3	1	6	32	31	29	2		
V. Violent deaths .....	229		1	5	8	3	6	40	54	51	27	21	9	3		1	
VI. Unascertained causes.....																	
I.																	
1. Miasmatic.....	199	71	15	28	13	6	3	20	14	15	10	1	2				
2. Enthetic.....	4								3	1							
3. Dietic.....	21	2				1		1	3	8	2	3		1			
II.																	
1. Diathetic.....	198	11	1	2			1	4	21	39	52	50	15	2			
2. Tubercular .....	514	29	12	14	7	5	29	121	129	88	41	29	8	2			
III.																	
1. Nervous system.....	339	85	18	20	1	2	2	21	19	29	39	47	48	7	1		
2. Circulatory system.....	310	8		1	5	6	5	19	39	51	64	85	53	3	1		
3. Respiratory system.....	356	105	20	19	5		3	22	33	24	38	45	22	8	2		



## MORTUARY STATISTICS.

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## No. IV (a)

FIRST HALF OF THE FISCAL YEAR ENDING DECEMBER 31, 1896.

SEX.	RACE.			WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.					
																		Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertain.		
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.							
1835	1162	2743	230	24	75	137	3	200	6	99	58	124	123	193	622	388	740	....	229	1393	480	1090	34
133	91	216	6	2	6	15	...	6	...	3	8	6	8	13	90	24	45	....	54	19	146	5	
443	269	615	88	9	18	37	1	66	2	33	9	40	28	48	137	91	202	....	351	140	217	1	
954	616	1448	113	9	49	79	2	113	4	53	34	68	69	111	343	239	406	....	780	251	528	11	
117	145	244	14	4	2	6	...	15	...	10	7	10	18	21	52	34	87	....	84	22	156	....	
188	41	220	9	...	...	...	...	...	...	...	...	...	...	...	...	...	229	...	121	48	43	17	
116	83	194	3	2	6	12	...	2	...	3	8	3	8	11	87	24	35	....	42	17	139	1	
3	1	2	2	...	...	...	...	2	...	...	...	1	...	...	...	...	1	....	3	...	1	....	
14	7	20	1	...	...	3	...	2	...	...	...	2	...	2	3	...	9	....	9	2	6	4	
107	91	177	21	...	1	7	...	18	1	10	...	13	4	6	38	25	75	....	120	54	24	....	
336	178	438	67	9	17	30	1	48	1	23	9	27	24	42	99	66	127	....	234	86	193	1	
194	145	329	9	1	14	18	1	18	2	4	7	17	19	24	84	61	70	....	144	47	146	2	
222	118	314	22	4	8	13	1	25	1	10	8	21	15	26	74	61	77	....	212	85	39	4	
225	131	339	15	2	15	20	...	17	1	11	10	11	19	24	91	47	90	....	151	39	164	2	

### HEALTH OFFICER'S REPORT.

TABLE No. IV (a)

[illegible]

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
Male.	Female	Caucasian.	Mongolian	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.			12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained
192	139	272	58	1	10	19	...	45	...	21	5	8	11	22	59	40	91	...	148	34	147	2
98	48	138	7	1	2	7	...	8	...	5	4	7	5	11	25	25	47	...	94	33	19	...
7	3	9	1	...	...	1	...	...	...	1	...	1	...	1	...	3	3	...	7	2	1	...
16	32	47	1	...	...	1	...	...	...	1	...	3	...	3	10	2	28	...	24	11	12	1
7	8	15	...	...	...	2	...	...	...	1	1	3	2	2	4	...	...	...	...	15	...	...
...	7	6	1	...	...	...	...	1	...	...	...	1	1	1	2	...	1	...	2	2	3	...
43	57	87	11	2	1	...	...	9	...	6	1	4	4	5	12	16	42	...	80	20	...	...
67	73	136	2	2	1	4	...	5	...	4	5	4	10	13	36	14	44	...	2	...	138	...
188	41	220	9	...	...	...	...	...	...	...	...	...	...	...	...	...	229	...	121	48	43	17
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE No. IV (a)

CAUSES OF DEATH.	Total.	AGES.														
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Uncertain.
CLASS I—ZYMOTIC DISEASES.																
Order 1—Miasmatic.																
Cholera infantum.....	51	47	3	1												
Croup.....	17	4	3	8	2											
Cerebro-spinal meningitis.....	7	4	1	1			1									
Diarrhœa.....	8	4					1		1	1	1					
Diphtheria.....	28	3	2	15	6	2										
Erysipelas.....	4	1						1		2						
Fever, typhoid.....	41			1	3	3	3	13	6	8	3		1			
Fever, malarial.....	6	1						1	1	3						
Measles.....	1				1											
Pertussis.....	14	7	6	1												
Scarlatina.....	1				1											
Septicæmia.....	21			1		1		4	6	4	4		1			
Order 2—Enthetic.																
Syphilis.....	4								3	1						
Order 3—Dietic.																
Alcoholism.....	8								2	3	2	1				
Anæmia.....	9	2				1		1	1	1		2		1		
Morphinism.....	4									4						

## MORTUARY STATISTICS.

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--CONTINUED.

SEX.		RACE		WARDS.												Public Institutions					Violent Deaths				NATIVITIES.			
Male	Female	Caucasian	Mongolian	African	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward					Foreign Countries	Atlantic States	Pacific Coast	Unascertained				
30	21	51			1	8					3		3	7	22	7					1		50					
8	9	17				1							1		11	1	3						17					
3	4	7				1									4	1	1				1		6					
5	3	7	1		2			1							3		2				3	1	4					
16	12	28								1	4				23						1	2	25					
2	2	4										1			3						1	2	1					
33	8	40		1	2						1		3		7	7	21				20	6	14	1				
3	3	6				1		1				1		1	2						3	1	2					
	1	1				1																	1					
4	10	13	1							1				2	7	4					1		13					
	1	1													1								1					
12	9	19	1	1	1					1		1	1	1	4	4	8				11	5	5					
3	1	2	2					2				1					1				3		1					
6	2	8										1		1			6				4		1	3				
6	3	8	1			3		2						1	2		1				4		5					
2	2	4										1			1		2				1	2		1				

## HEALTH OFFICER'S REPORT.

TABLE No. IV (a)

CAUSES OF DEATH.	Total	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
CLASS II. CONSTITUTIONAL DISEASES.																	
Order 1. Diathetic.																	
Cancer. . . . .	176	1	1					3	20	35	52	48	15	1			
Leucocythæmia . . . . .	1							1									
Purpura hæmorrhagica. . . . .	2								1			1					
Rheumatism . . . . .	7						1			4		1		1			
Spina Bifida. . . . .	1	1															
Syphilis, congenital. . . . .	11	10		1													
Order 2. Tubercular																	
Hydrocephalus. . . . .	3	3															
Hydrothorax. . . . .	2										1	1					
Phthisis pulmonalis . . . . .	455	7	4	3	3	5	26	118	127	87	39	26	8	2			
Scrofula . . . . .	2		1					1									
Tubercular meningitis. . . . .	31	9	6	10	4		1	1									
Tubercular peritonitis . . . . .	4	2		1			1										
Tuberculosis of bladder . . . . .	1							1									
Tuberculosis of intestines. . . . .	11	8	1				1		1								
Tuberculosis of knee joint. . . . .	1											1					
Tuberculosis of kidney. . . . .	1								1								
Tuberculosis of liver. . . . .	1									1							
Tuberculosis of larynx . . . . .	2										1	1					

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.					
	Male.	Female.	Caucasian	Mongolian	African	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.			10th Ward.	11th Ward.	12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.
93	83	156	20	...	1	7	...	17	1	10	...	13	3	5	34	22	63	...	115	53	8	...
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1	...
4	3	6	1	...	...	...	...	1	...	...	...	...	...	1	2	2	1	...	4	1	2	...
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
7	4	11	...	...	...	...	...	...	...	...	...	...	1	...	1	...	9	...	...	...	11	...
2	1	3	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	...
1	1	2	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	2	...	...	...
301	154	380	66	9	14	21	1	44	1	23	6	23	24	34	87	59	118	...	226	82	146	1
...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2	...
20	11	31	...	...	1	5	...	2	...	...	2	2	...	5	7	4	3	...	1	1	29	...
4	...	3	1	...	1	...	...	...	...	...	1	1	...	1	...	...	...	...	1	...	3	...
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...
5	6	11	...	...	1	2	...	...	...	...	...	...	...	2	1	2	3	...	...	1	10	...
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...
...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...
...	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2	...	...	...

TABLE No. IV (a)

CAUSES OF DEATH.	Total	AGES.															Unascertained
		Under 1	1 to 2	2 to 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100		
CLASS III—LOCAL.																	
Order 1—Nervous.																	
Apoplexy .....	106						1	1	9	11	24	22	32	5	1		
Beri-beri .....	1							1									
Brain, congestion.....	8	2						1		1		2	2				
Brain, softening .....	24								2	3	5	7	6	1			
Brain, fever.....	1			1													
Convulsions, infantile .....	56	47	5	4													
Cerebral sclerosis.....	1									1							
Encephalitis, etc.....	98	36	13	15	1	2	1	11	3	6	2	8					
Epilepsy .....	6							1	1	3	1						
Myelitis.....	3							2			1						
Neuritis.....	1										1						
Paralysis.....	31							2	3	4	5	8	8	1			
Tetanus .....	3							2	1								
Order 2—Circulatory.																	
Heart diseases.....	340	8		1	5	6	5	19	39	51	64	85	53	3	1		
Order 3—Respiratory.																	
Asthma.....	2										1	1					
Bronchitis.....	81	39	5	5	4				1	4	7	9	4	2	1		
Hæmoptysis .....	13							3	1	3	3	3					
Laryngitis.....	4	1	1						1		1						
Lungs, congestion .....	21	6		1				1	2	4	3	1	2	1			



## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.							
																	Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertained				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.								
64	42	106	.....	...	5	2	1	3	...	3	3	10	3	9	21	22	21	.....	.....	76	25	3	2	
1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	
5	3	8	.....	.....	.....	.....	.....	.....	1	.....	.....	2	.....	1	4	.....	.....	.....	.....	4	1	3	.....	
17	7	24	.....	.....	.....	.....	.....	.....	1	.....	.....	1	2	1	3	3	13	.....	.....	17	5	2	.....	
.....	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	
30	26	55	1	.....	4	5	.....	3	.....	.....	2	2	7	6	19	6	2	.....	.....	.....	.....	56	.....	
.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	
52	46	92	5	1	4	8	.....	9	.....	1	1	5	4	23	23	20	.....	.....	.....	15	10	73	.....	
5	1	6	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	.....	1	2	.....	.....	.....	2	1	3	.....	
3	.....	3	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	2	.....	1	.....	
1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	
13	18	29	2	.....	1	2	.....	2	.....	1	.....	1	2	9	6	7	.....	.....	.....	24	5	2	.....	
3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....	1	.....	2	.....	
222	118	314	22	4	8	13	1	25	1	10	8	21	15	26	74	61	77	.....	.....	212	85	39	4	
2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	2	.....	.....	.....	
43	38	77	4	.....	4	8	.....	2	1	3	3	3	5	6	28	8	10	.....	.....	21	7	52	1	
10	3	9	4	.....	.....	.....	3	.....	2	.....	.....	.....	1	1	1	2	3	.....	.....	9	2	2	.....	
3	1	4	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	1	1	1	.....	.....	.....	1	1	2	.....	
12	9	21	.....	.....	2	.....	1	.....	.....	1	3	.....	1	4	3	6	.....	.....	.....	9	5	7	.....	

TABLE No. IV (a)

CAUSES OF DEATH.	Total.	AGES.															
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	Unascertained.
Class III, Order 3—Continued.																	
Lungs, œdema.....	5	2						1		1					1		
Pulmonic obstruction.....	1	1															
Pneumonia.....	229	56	14	13	1		3	17	28	22	23	31	16	4	1		
Order 4—Digestive.																	
Appendicitis.....	8					1	2	1	1	2	1						
Entero-calitis.....	8	6	2														
Enteritis.....	65	46	4	2		1	1	4	1	2	2	1	1				
Gastritis.....	23	9	2			1		3	2	1	1	3	1				
Gastro-enteritis.....	29	19	4	2					1	2		1					
Hæmatemesis.....	2								1			1					
Hepatitis.....	133	7	1				1	2	20	44	30	20	7	1			
Hernia.....	8							1	2	2	1	1	1				
Intestinal obstruction.....	16	1	1					4	1	3	5	1					
Intestinal inflammation.....	5	2	1		1				1								
Peritonitis.....	31				1	1	1	13	7	2	2	4					
Pylorus, stricture of.....	1										1						
Rectum, imperforate.....	1	1															
Stomach, ulceration.....	1											1					
Order 5—Urinary.																	
Cystitis.....	7										2	1	1	3			
Diabetes.....	10							1	1		4	1	3				
Nephritis.....	129	3		1		1	1	16	21	25	28	18	14	1			

## MORTUARY STATISTICS.

51

— CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.		Violent Deaths.		NATIVITIES.			
Male	Female	Caucasian.	Mongolian	African.	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward			Foreign Countries.	Atlantic States	Pacific Coast	Uncertain	
5		5													1	4			2		3		
1		1													1						1		
149	80	220	7	2	11	9		11		6	6	5	13	15	55	28	70		107	24	97	1	
5	3	8				1									2	3	2		2	2	4		
6	2	8								1		1	1	1	1	3					8		
29	36	61	3	1	2	5		2		2			3	2	9	4	36		5	2	57	1	
12	11	23									1	2	2	2	8	3	5		7	1	15		
13	16	24	5		1	1		4		3	1	1	1	3	9	5			2	2	25		
2		2													1	1			2				
92	41	85	48		6	8		37		14	1	2	2	10	15	12	26		103	15	14	1	
5	3	8									1			1			6		5	1	2		
10	6	16				3		1					1		1	4	5		10	2	4		
1	4	5											1		2	1	1				5		
15	16	29	2		1	1		1		1	1		2	1	9	4	10		11	8	12		
1		1													1				1				
	1	1												1							1		
1		1													1					1			
7		7			1	1				1				1			3		4	3			
6	4	9	1					1		1				1	1	3	8		7	3			
86	44	122	6	1	1	6		7		3	4	7	5	9	24	22	41		83	27	19		



## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
		Caucasian	Mongolian	African	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward	Foreign Countries	Atlantic States	Pacific Coast	Unascertained
Male																				
2	2											1					2			
1	1																1			
1	1																1			
1	1													1					1	
5	4	1			1					1						3		3	2	
5	9	13	1							1				3	5	5		6	4	4
3	1	4													2	2		2		2
6	16	22										1			2	1	18	11	6	4
2	6	8			1							2			1	1	3	5	1	2
7	8	15			2						1	1	3	2	2	4				15
4	3	1						1					1	1	1			2	1	1
3	3											1			1	1		1		2

### HEALTH OFFICER'S REPORT.

TABLE No. IV (a)

[illegible]

## MORTUARY STATISTICS.

55

—CONCLUDED.

SEX.		RACE.		WARDS.													Public Institutions.	Violent Deaths.	NATIVITIES.				
Male	Female	Caucasian	Mongolian	African	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward			Foreign Countries	Atlantic States	Pacific Coast	Unascertained	
43	57	87	11	2	1	...	9	...	6	1	4	4	5	12	16	42	...	8	20	...	...		
67	73	136	2	2	1	4	...	5	...	4	5	4	16	13	36	14	44	...	2	...	138	...	
188	41	220	9	...	...	...	...	...	...	...	...	...	...	...	...	...	220	121	48	43	17		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		

TABLE

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL., DURING THE

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
All causes .....	5153	448	126	140	78	37	63	302	383	369	407	444	260	77	10	1	8
Specified causes .....																	
Unascertained causes.....																	
CLASSES.																	
I. Zymotic diseases.....	245	37	12	49	28	3	3	25	33	14	18	18	6	2			
II. Constitutional diseases.....	683	22	12	20	10	10	32	133	144	101	106	64	23	3			
III. Local diseases.....	1717	260	97	65	37	21	19	101	157	207	244	201	176	37	3	1	1
IV. Developmental diseases.....	288	126	5	2				10	5	1	6	42	50	34	7		
V. Violent deaths.....	220	3		4	3	3	9	36	44	43	33	29	5	1			7
VI. Unascertained causes.....																	
I.																	
1. Miasmatic.....	213	36	12	49	28	3	3	19	24	10	10	13	5	1			
2. Enthetic.....	1								1								
3. Dietic.....	31	1						3	8	4	8	5	1	1			
II.																	
1. Diathetic.....	189	8	3	2	1	1		3	11	31	62	45	19	3			
2. Tubercular.....	491	14	9	18	9	9	32	130	133	73	44	19	4				
III.																	
1. Nervous system.....	561	75	37	26	10	7	1	11	22	20	44	56	41	11			
2. Circulatory system.....	416	3	1	3	6	5	6	22	36	65	82	120	58	7	1		1
3. Respiratory system.....	453	103	43	28	13	5	3	22	46	54	47	46	38	9	2		



## MORTUARY STATISTICS.

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## No. IV (b)

LAST HALF OF THE FISCAL YEAR ENDING JUNE 30, 1897.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.									
		Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.			8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.	
1934	1219	2889	232	32	70	159	2	191	7	119	49	103	129	228	765	408	760	....	220	..	1490	496	1126	41	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
136	109	238	6	1	3	15	...	5	1	5	5	6	21	20	74	30	69	....	....	..	60	39	142	4	
417	266	587	83	10	15	33	...	76	...	31	9	18	22	45	148	87	199	....	....	..	347	121	210	5	
1051	666	1591	109	17	48	95	2	91	6	69	33	73	74	143	405	247	431	....	....	..	846	263	591	17	
155	133	263	24	4	4	16	...	19	...	14	2	9	12	20	78	44	70	....	....	..	113	35	139	1	
175	45	213	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....	....	..	220	124	38	44	14
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
115	98	208	4	1	2	14	...	2	1	4	5	5	21	14	71	28	47	....	....	..	48	26	138	1	
1	....	....	1	....	....	....	...	1	....	....	....	....	....	....	....	....	....	....	....	....	..	1	....	....	....
20	11	30	1	...	1	1	...	2	...	1	...	1	1	6	3	2	13	..	....	..	11	13	4	3	
110	79	166	23	...	2	10	...	20	...	9	2	2	3	9	30	26	76	....	....	..	122	44	20	3	
367	187	421	63	10	13	23	...	56	...	22	7	16	19	36	118	61	123	....	....	..	225	77	190	2	
213	148	356	3	2	4	27	1	10	1	11	9	20	11	30	103	69	65	....	....	..	134	59	166	2	
278	138	390	21	5	10	21	1	17	3	15	6	23	15	40	92	67	106	....	....	..	283	79	48	6	
263	190	420	27	6	17	38	...	29	1	14	13	16	29	42	112	45	102	....	....	..	186	43	219	5	

### HEALTH OFFICER'S REPORT.

TABLE No. IV (b)

[illegible]

## MORTUARY STATISTICS.

59

—CONTINUED.

SEX.		RACE.			WARDS.													Public Institutions.	Violent Deaths.	Nativities.		
Male	Female	Caucasian.	Mongolian	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.	Foreign Countries.				American States.	Pacific Coast.
177	124	256	43	2	8	10	...	22	1	23	4	4	14	20	66	31	98	...	140	31	129	1
97	49	132	13	1	9	4	...	12	...	6	1	8	3	8	25	27	43	...	83	42	19	2
5	3	7	...	1	...	...	...	...	...	...	...	...	1	...	2	1	1	...	5	1	2	...
18	14	30	2	...	...	...	...	1	...	...	...	...	2	1	3	5	7	13	...	15	8	1
10	3	13	...	...	...	1	...	1	...	1	...	2	...	...	5	1	2	...	...	...	13	...
...	13	11	2	...	...	1	...	...	...	2	...	1	...	...	5	4	...	...	5	2	6	...
81	56	118	18	1	1	6	...	13	...	10	2	3	2	7	33	26	34	...	105	32	...	...
64	61	118	4	3	3	8	...	5	...	1	...	3	10	13	35	13	34	...	3	1	120	1
175	45	213	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	220	124	38	44	14
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE No. IV (b)

CAUSES OF DEATH	Total	AGES.														
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Unascertained Over 100.
CLASS I.—ZYMOTIC DISEASES.																
Order 1.—Miasmatic.																
Cholera infantum . . . . .	17	16	1													
Croup . . . . .	26	2	15	6	1					1	1					
Cerebro-spinal meningitis . . . . .	12	3	3	5			1									
Diarrhoea . . . . .	9	3	1				1			1	2	1				
Diphtheria . . . . .	38	2	18	13	1	1		1								
Erysipelas . . . . .	9	2					3	3				1				
Fever, typhoid . . . . .	34		1	3	1	2	11	8	3	2	3					
Fever, malarial . . . . .	4				1		1			2						
Influenza . . . . .	9							1	1	1	2	3	1			
Measles . . . . .	12	2	5	3												
Pertussis . . . . .	7	5	2													
Scarlatina . . . . .	5		2	3												
Septicæmia . . . . .	31	3	2				5	11	3	2	5					
Order 2.—Enthetic.																
Syphilis . . . . .	1							1								
Order 3.—Dietic.																
Alcoholism . . . . .	15							3	3	5	3	1				
Anæmia . . . . .	9	1						2	1	2	2		1			
Morphinism . . . . .	7						3	3		1						

## MORTUARY STATISTICS.

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--CONTINUED.

SEX.		RACE		WARDS.												Public Institutions.	Violent Deaths.	Foreign Countries.	NATIVITIES.			
Male	Female	Caucasian	Mongolian	African	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.				12th Ward.	Unascertained.	Pacific Coast.	Atlantic States.
5	12	17		1	5					1		3		5	2				1	16		
17	9	26			4								4	5	6	5	2		4	22		
6	6	12			1				1					2	7	1				12		
5	4	9			2			1							1	1	4		3	1	5	
17	21	38			1		1				3		5	4	16	5	3		1	1	36	
6	3	9		1								1	1	1	2		2		4	3	2	
23	11	32	2				1		1	1		1	1	12	4	13			16	5	13	
3	1	3		1												2	2		1	1	1	1
6	3	9			1					1		3			3	1			8	1		
7	5	12										1	1	1	7	2			1	1	10	
3	4	7											2		2	3					7	
3	2	5													4	1					5	
14	17	29	2						1				3		5	1	21		14	8	9	
1			1				1												1			
10	5	15		1	1		1							3	1		8		8	4	1	2
5	4	8	1							1		1		1	2	2	2		3	4	2	
5	2	7					1						1	2		3				5	1	1



## MORTUARY STATISTICS.

63

—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.			
Male	Female	Caucasian	Mongolian	African	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.		Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained
94	74	146	22	2	8	19	9	2	2	3	8	28	23	64	117	43	5	3			
1	1	1														1			1		
2	1	3			1								1		1			1		2	
5	1	5	1			1							1		1	3		4		2	
8	3	11			1										1	1	8			11	
1	1	1	1			1									1					2	
1		1											1					1			
277	164	369	62	10	11	19	54	22	6	15	15	31	99	50	119	220	72	148	1		
	1	1			1													1			
17	13	30		1	2				1		2	2	15	5	2			1		20	
3		3				1							1			1		1		2	
6	7	13			1						1	1	2	3	5			2	3	8	
1		1		1																	1
1		1														1			1		
	1	1														1				1	

TABLE No. IV (b)

CAUSES OF DEATH	Total	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.		
CLASS III—LOCAL.																	
Order 1—Nervous.																	
Apoplexy.....	105							2	5	13	22	34	22	7			
Brain, congestion.....	7	1							1	1	2	2					
Brain, softening.....	26								3	1	8	6	7	1			
Convulsions, infantile.....	62	12	6	10	3	1											
Encephalitis, etc.....	112	32	29	16	7	2		6	10	2	3	5					
Epilepsy.....	5				1		2	1		1							
Insanity.....	2										1	1					
Myelitis.....	3				1						1	1					
Paralysis.....	37		2				1	1	2	3	6	7	12	3			
Tetanus.....	2				2												
Order 2—Circulatory.																	
Heart diseases.....	410	3	1	3	6	5	6	22	36	65	82	120	58	7	1	1	1
Order 3—Respiratory.																	
Bronchitis.....	114	32	14	5		1		4	3	9	9	14	17	6			
Empyema.....	3							1		1	1						
Goitre.....	1								1								
Gangrene of lungs.....	2										2						
Hæmoptysis.....	20			1				1	3	6	4	5	2				
Laryngitis.....	6	1		1	1			1				1					
Lungs, congestion.....	23	8	2	1	1			2	4	3		1			1		
Pneumonia.....	254	62	27	19	11	4	3	13	29	35	31	27	19	3	1		



MORTUARY STATISTICS.

95

—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.					
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.			12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained	
70	35	104	1	...	1	6	1	5	1	6	1	7	2	5	32	24	14	...	...	69	33	2	1
4	3	7	...	...	...	1	...	1	...	...	...	...	...	1	2	1	1	...	...	5	...	2	...
12	14	25	...	1	...	1	...	1	...	...	...	3	...	1	7	1	12	...	...	18	7	1	...
33	29	62	...	...	2	5	...	1	...	...	4	2	3	10	20	12	3	...	...	...	...	62	...
63	49	111	...	1	1	13	...	1	...	4	4	2	5	9	28	20	19	...	...	14	8	90	...
4	1	5	...	...	...	...	...	...	...	...	...	...	...	1	3	1	...	...	...	1	1	3	...
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	1	...	...
3	...	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	2	...	1	...
20	17	35	2	...	...	...	...	1	...	1	...	...	1	2	10	9	13	...	...	24	9	3	1
2	...	2	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...
278	138	390	21	5	10	21	1	17	3	15	6	23	15	40	92	67	106	...	...	283	79	48	6
65	49	101	13	...	7	12	...	14	...	4	2	4	8	4	28	15	16	...	...	54	6	53	1
2	1	3	...	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	2	...	1	...
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	...	...	...
18	2	15	5	...	2	1	...	3	...	...	1	1	1	2	3	...	6	...	...	15	2	3	...
5	1	6	...	...	...	1	...	...	...	...	...	...	...	1	3	1	...	...	...	1	1	4	...
7	16	23	...	...	...	...	...	2	...	1	1	1	1	5	9	...	3	...	...	3	3	16	1
164	120	269	9	6	8	19	...	10	1	8	9	10	19	30	68	28	74	...	...	109	31	141	3

## HEALTH OFFICER'S REPORT.

TABLE No. IV (b)

CAUSES OF DEATH.	Total.	AGES.															
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	Uncertain.
Order 4—Digestive.																	
Appendicitis.....	6				2		1	1		1	1						
Enteritis.....	62	49	6	1		1			1	1		1	2				
Gastritis.....	17	4			1		3	1	1	4	3						
Gastro enteritis.....	33	15	8	5		1	1			1		2					
Hæmatemesis.....	8	2					2		1		3						
Hepatitis.....	103	1					2	16	34	25	18	6	1				
Hernia.....	8									2	2	2	1	1			
Intestinal obstruction.....	20	1			1	1	1	2	2	1	2	4	3	2			
Intestinal inflammation.....	5	2						2	1								
Intestinal gangrene.....	1							1									
Peritonitis.....	37		1		2	4	11	10	2	1	4	1				1	
Stomach, ulceration.....	1								1								
Order 5—Urinary.																	
Cystitis.....	5										2	2	1				
Diabetes.....	21							1	1	3	3	6	6	1			
Nephritis.....	119	4		1	2		2	15	18	16	24	17	16	4			
Prostate, gland, disease.....	1											1					

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
																	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.	
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.					
4	2	6											1	1	2	1	1		3	1	2
33	29	61	1		2	2		1		2		1	2	3	10	2	37		4	1	57
8	9	15	1	1						1	1	2	1	3	4	5			7	4	6
13	20	30	3			2		2		2	1		3	3	12	4	4		3	2	28
4	4	8			1										4	1	2		5		2
79	24	65	35		4	4		17	1	17	1		2	5	21	10	21		86	11	5
5	3	8								1			2		1		4		5	2	1
15	5	20			1						1			3	4	3	8		11	3	6
3	2	3	2									1		3	1				2		3
	1	1														1					1
12	25	35	1	1	1			2		1		1	2	1	8	5	16		14	7	16
1		1				1															1
5		5													1	1	3		4	1	
12	9	21										1		3	4	5	8		14	6	1
79	40	105	13	1	9	4		12		6	1	7	3	5	20	21	31		64	35	19
1		1															1		1		

TABLE No. IV (b)

CAUSES OF DEATH.	Total.	AGES.															Uncertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
Order 6—Generative.																	
Order 7—Locomotor.																	
Gangrene of foot.....	1												1				
Tabs dorsalis.....	7					1		1	1	1		2	1				
Order 8—Not Localized.																	
Abscesses.....	13	1	1	1			1	2	1	2	2		1	1			
Shock.....	11							1	3	1	3	3					
Tumors.....	8							2	2	2	2						
CLASS IV—DEVELOPMENTAL.																	
Order 1—Children.																	
Birth, premature.....	13	13															
Order 2—Women.																	
Child-birth.....	4								3		1						
Puerperal fever.....	4								3	1							
Puerperal eclampsia.....	4								3	1							
Puerperal mania.....	1									1							

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE.		WARDS.										Public Institutions.	Violent Deaths.			NATIVITIES.				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.					10th Ward.	11th Ward.	12th Ward.	Foreign Countries.	Atlantic States.
.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	
5	2	6	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	1	4	.....	4	1	2	.....
8	5	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	5	4	3	.....	4	3	6	.....
7	4	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	9	.....	5	5	.....	1
3	5	6	2	.....	.....	.....	.....	1	.....	.....	.....	1	1	2	.....	2	1	.....	6	.....	2	.....
10	3	13	.....	.....	.....	1	.....	1	.....	1	.....	2	.....	.....	5	1	2	.....	.....	.....	13	.....
.....	4	2	2	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	1	1	.....	.....	4	.....	.....	.....
.....	4	4	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	2	.....	.....	1	.....	3	.....
.....	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2	1	.....	.....	2	.....	2	.....
.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....

### HEALTH OFFICER'S REPORT.

TABLE No. IV (b)

[illegible]

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
		1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	States.	Atlantic Coast.	Pacific Coast.	Uncertain.
Male.....		1	6	13	10	2	3	2	3	2	7	33	26	34		105	32			
Female.....		3	8	5	1	3	10	13	35	13	34					3	1	120	1	
		7													229	124	38	44	14	

## HEALTH OFFICER'S REPORT.

TABLE

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,

Number of Deaths the Corresponding

[illegible]



## MORTUARY STATISTICS.

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## No. IV (c)

DURING THE MONTH ENDING JULY 31, 1896.

Month of 1895-539.

SEX.	RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.						
			Caucasian	Mongolian	African	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.			10th Ward.	11th Ward.	12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.
Male.	Female.																						
312	193	461	42	2	10	27	1	39	2	12	10	23	16	37	102	53	126	42	223	76	198	8	
22	15	34	3		2	1		3		2				6	15	4	4		7	3	27		
70	40	92	18		3	7	1	15		4	1	6	2	6	15	15	35		55	24	30	1	
163	104	247	18	2	4	19		19	2	5	6	13	9	21	65	34	70		121	37	106	3	
21	28	47	2		1			2		1	3	4	5	4	7	5	17		15	5	29		
36	6	41	1															42	25	7	6	4	
	1	1												1							1		
3	1	3	1					2						1			1		2		2		
1	1	2													2						2		
6	2	8				1									6	1					8		
1	2	3													2	1					3		
1		1			1																1		
2		2													2					1	1		
1			1					1											1				
3		3								1				1	1						3		
	1	1															1			1			
1	4	4	1							1				2	1	1			1		4		
3	3	6			1									1	1	1	2		3	1	2		
16	12	22	6			2		4		2					3	2	15		20	7	1		
49	23	60	12		2	4	1	10		2	1	6	1	6	10	12	17		34	16	21	1	
1	1	2											1				1				2		

## HEALTH OFFICER'S REPORT.

TABLE No. IV (c)

CAUSES OF DEATH.	Total.	AGES.															Unascertained over 100.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.		
II. CONSTITUTIONAL DISEASES—Continued.																	
Tabes mesenterica .....	1	1															
Tubercular meningitis.....	5	2	2		1												
Tuberculosis of intestines.....	1								1								
Tuberculosis of bladder.....	1							1									
III. LOCAL DISEASES.																	
Apoplexy .....	15								1	1	7	2	4				
Asthma .....	1											1					
Brain, congestion of .....	3							1				1	1				
Brain, inflammation of.....	3	2										1					
Brain, softening of.....	4										3			1			
Bronchitis .....	18	9	2		1					1	3	1				1	
Convulsions .....	10	9		1													
Cystitis .....	1												1				
Diabetes.....	5								1		2	1	1				
Encephalitis, meningitis, etc.	10	4		2				1	1		1	1					
Enteritis .....	15	10					1	1	1		1		1				
Epilepsy.....	1							1									
Gastric hæmorrhage .....	1									1							
Gangrene.....	1						1										
Gastritis.....	5	2						1	1			1					
Gastro-enteritis.....	6	4	2														
Gastro-intestinal catarrh.....	1	1															
Heart, disease of .....	55	1			2	1	1	1	8	11	9	13	7	1			
Hepatitis .....	14	3							2	5	2		1	1			
Intestinal obstruction.....	3								1		2						

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.	WARDS.											Public Institutions.	Violent Deaths.	NATIVITIES.			
		1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.		Foreign Countries.	Atlantic States.	Pacific Coast.	Unretained
Male	Female																	
1	1												1				1	
2	5	1	1		1							1	1				5	
1	1											1				1		
1	1												1		1			
2	3	15	1	1	1				2	1		3	3	3		11	3	1
1	1												1			1		
2	1	3							2			1				2		1
2	1	3								1			1	1		1		2
3	1	4				1						1		2		3	1	
10	8	16	2		2	1	1		1		1	8	1	3		2	3	12
6	4	10			1					1	2	5	1					16
1	1													1		1		
3	2	4	1			1						1	1	2		4		
5	5	10			2						1	3	4			3	7	
9	6	13	2		1	1		2			1	2		8		1	1	12
1	1										1						1	
1	1											1				1		
1	1											1					1	
2	3	5										2	2	1		1		4
3	5	1				1	1	1				2	1					6
1	1											1					1	
38	17	48	6	1	2	6	1	2	3	4	3	3	8	11	12	33	12	8
8	6	10	4		1						4	3		2		10		4
1	2	3			1									2		2	1	

TABLE No. IV (c)

[illegible]

## MORTUARY STATISTICS.

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--CONTINUED.

SEX.	RACE			WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.					
				1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertained.		
Male.	Female.	Caucasian.	Mongolian.	African.																			
2	2													1	1							2	
3	1	4			1									1	2			1	1	2			
2		2												1	1			1		1			
3		3												1	1			2		1			
14	11	25			1	1	1	2	1	2	3	5	3	6			16	4	5				
2	4	6			1							1	2	2			3	2	1				
1		1												1					1				
1	3	3	1		1								1	1	1		2		2				
1		1											1				1						
25	14	37	1	1	1	3	2				2	4	10	3	14		16	4	19				
1	3	4											1	2			2	1	1				
1		1			1												1						
1		1												1					1				
1	1	1			1												1						
9	16	25						1	2	1	2	3	4	3	9					25			
3	1	4							1	1	1		1						4				
9	11	18	2	1		2			2	2	1	2	2	8			15	5					
36	6	41	1													42	25	7	6	4			

TABLE

NUMBER OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,

Number of Deaths the Corresponding

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.		
All causes .....	454	88	18	15	8	5	8	48	52	54	59	54	35	8	2	..	
CLASSES.																	
I. Zymotic Diseases.....	39	20	2	3	2	1	..	4	3	4	..	..	..	..	..	..	
II. Constitutional Diseases .....	107	8	1	2	1	1	4	22	17	18	16	14	2	1	..	..	
III. Local Diseases. ....	232	33	15	10	3	3	2	17	24	26	38	33	26	..	2	..	
IV. Developmental Diseases.....	45	27	..	..	..	..	..	1	1	..	..	4	4	7	..	..	
V. Violent Deaths .....	31	..	..	..	2	..	2	4	7	6	4	3	3	..	..	..	
I. ZYMOTIC DISEASES.																	
Anæmia .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cerebro-spinal meningitis.....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cholera infantum.....	12	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Croup.....	4	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	
Diphtheria .....	5	1	..	3	..	1	..	..	..	..	..	..	..	..	..	..	
Erysipelas.....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	
Fever, typhoid .....	8	..	..	1	..	..	..	3	2	2	..	..	..	..	..	..	
Opium poisoning .....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	
Pertussis.....	4	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	
Septicæmia.....	2	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	
II. CONSTITUTIONAL DISEASES.																	
Cancer .....	28	..	..	..	..	..	..	1	2	4	9	11	1	..	..	..	
Hydrocephalus .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Laryngeal tuberculosis .....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	
Phthisis-pulmonalis .....	67	2	1	..	..	1	4	21	15	13	7	2	1	..	..	..	

## MORTUARY STATISTICS.

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## No. IV (c)

DURING THE MONTH ENDING AUGUST 31, 1896.

Month of 1895—438.

SEX.		RACE.			WARDS.												Public Institutions.	Violent Deaths.	Nativities.	
Male.	Female.	Caucasian	Mongolian	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.				Foreign Countries.
272	182	415	39	9	25	28	1	30	14	16	20	18	93	64	105	31	202	73	175	4
20	19	39	4	7	7	10	4	1	1	3	15	4	7	8	3	28	52	22	33	
73	34	91	16	3	7	7	10	1	6	3	6	21	12	21	52	22	33	79	2	
132	106	212	20	6	11	17	1	19	8	9	13	8	48	40	52	115	36	79	2	
18	27	43	2	3	4	1	1	3	1	9	8	15	14	2	29	13	10	6	2	
29	2	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	5	12	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
3	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
19	9	24	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
45	22	55	12	3	2	4	8	3	3	5	11	9	19	33	13	21	18	8	2	





## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
		1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertained	
2		2											1				1	1		
1	2	3											1					3		
1		1											1					1		
2	1	3		1				1		1								3		
1		1						1										1		
	1	1											1					1		
6	9	15				1		1	1	2			2	7	1		12	3		
1		1											1				1			
2	2	4											1	1	2		3	1		
	1	1						1											1	
2		2											1	1			1		1	
4	5	9					1						3	4	1		2		7	
2	7	9				1							3	4	1				9	
6	7	13		1	3		1			1	1	2	1	2	1		1	1	11	
2	6	7	1					1					1		5		2		6	
1		1												1			1			
4	2	6							1	1	1	1	2				2		4	
1	4	4	1					2					2	1				2	3	
32	16	42	6	1	3	5	5	1		1	14	10	8				27	13	7	1
3		1	2			1	2										2		1	
14	7	15	6		1	3	4	1	1		1	5	5				15	5	1	
	1	1											1						1	



## MORTUARY STATISTICS.

83

-CONTINUED.

SEX.	RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.			12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.
Male.	Female.																				
2	2				1										1			1			
2	1	3								1					2		2	1			
13	7	20			1		2			1	1		2	4	2	7	13	5	2		
2	3	4	1				1			1			1	2			4	1			
6	2	8											1	3	1	3	2		6		
22	13	33	2		4	2		2		2	2	1	2	1	6	3	10	17	4	14	
1	3	4													1	3		2		1	
1		1													1			1			
1			1							1								1			
2	3	5											1	1	1	2		3		2	
10	11	21			2		1		1	1			1	1	4	1	9			21	
5	11	14	2				3								3	4	6	14	2		
3	4	7			1								2		1	3				7	
	1	1													1					1	
29	2	30	1														31	13	10	6	2

**TABLE**

**REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.**

Number of Deaths the Corresponding

CAUSES OF DEATH.	Total.	AGES.														Unscrutinized.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	Over 100.	
All causes .....	466	88	17	18	2	3	11	48	62	63	50	59	31	13	1	...
<b>CLASSES.</b>																
I. Zymotic Diseases .....	35	12	4	4		1		5	3	4	1	1				
II. Constitutional Diseases .....	123	6	4	6			9	27	27	16	11	11	4	2		
III. Local Diseases .....	233	46	9	8	1	2		10	26	36	27	42	22	4		
IV. Developmental Diseases .....	42	24									3	4	5	5	1	
V. Violent Deaths .....	53				1		2	6	6	7	8	1		2		
<b>I. ZYMOTIC DISEASES.</b>																
Alcoholism .....	1										1					
Cerebro-spinal meningitis .....	1			1												
Cholera infantum .....	13	11	1	1												
Diarrhœa .....	1											1				
Diphtheria .....	1			1												
Entero-colitis .....	2	1	1													
Fever, malarial .....	4							1	1	2						
Fever, typhoid .....	7			1		1		4	1							
Morphia .....	1									1						
Pertussis .....	2		2													
Septicæmia .....	2								1	1						
<b>II. CONSTITUTIONAL DISEASES.</b>																
Cancer .....	17		1	1					3	1	3	4	3	1		
Leucocythæmia .....	1							1								
Phthisis-pulmonalis .....	90	2	1	1			7	25	23	15	8	6	1	1		

## MORTUARY STATISTICS.

85

## No. IV (c)

DURING THE MONTH ENDING SEPTEMBER 30, 1896.

Month of 1895-460.

SEX.		RACE.			WARDS.												Public Institutions.		Violent Deaths.		NATIVITIES.				
Male	Female	Caucasian	Mongolian	African	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward			Foreign Countries	Atlantic States	Pacific Coast	Unascertained			
285	181	429	33	4	12	25	...	29	...	11	11	14	19	24	101	54	133	....	33	..	218	74	170	4	
23	12	35	...	...	1	3	...	...	...	...	1	1	3	2	10	6	8	....	...	...	10	2	22	1	
78	45	109	12	2	2	8	...	7	...	4	3	2	5	1	29	18	38	....	...	...	58	20	45	...	
140	93	213	19	1	9	13	...	19	...	6	7	9	6	13	53	27	71	...	...	...	117	39	75	2	
19	23	39	2	1	...	1	...	3	...	1	...	2	5	2	9	3	16	....	...	...	17	2	23	...	
25	8	33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33	...	16	11	5	1	
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	
...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	
9	4	13	...	...	...	1	...	...	...	...	1	...	2	1	4	4	...	...	...	...	...	...	13	...	
...	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	
1	1	2	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	2	...	...	
2	2	4	...	...	...	1	...	...	...	...	...	1	...	1	1	...	...	...	...	2	1	1	...	...	
7	...	7	...	...	...	...	...	...	...	...	...	...	...	...	1	1	5	...	...	4	...	2	1	...	
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	
...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	2	...	...	
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	1	...	...	...	
8	9	15	2	...	...	...	...	2	...	...	...	...	1	1	3	2	8	...	...	11	3	3	...	...	
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	
62	28	78	10	2	1	6	...	5	...	4	2	1	4	4	25	11	27	....	...	...	46	15	29	...	

TABLE No. IV (c)

CAUSES OF DEATH.	Total	AGES															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
II. CONSTITUTIONAL DISEASES—Cont'd.																	
Rheumatism .....	1					1											
Spina bifida .....	1	1															
Tubercular meningitis .....	7	1	1	3		1	1										
Tubercular peritonitis .....	1			1													
Tuberculosis of knee joint .....	1										1						
Tuberculosis of kidney .....	1							1									
Tuberculosis of intestines .....	3	2	1														
III. LOCAL DISEASES.																	
Abscess .....	1									1							
Apoplexy .....	21							1	2	2	6	8	2				
Brain, congestion of .....	2	1							1								
Brain, inflammation of .....	3	2							1								
Brain, softening of .....	4							1	2	1							
Bronchitis .....	16	8	1	1	1						2	1	2				
Convulsions .....	9	9															
Encephalitis, meningitis, etc .....	12	4	1	2		1		1	1		2						
Enteritis .....	12	8	2	1							1						
Gangrene .....	1			1													
Gastro intestinal catarrh .....	5	4		1													
Gastritis .....	1		1														
Gastro-enteritis .....	4	2	2														
Heart, diseases of .....	55			1		1		4	9	10	12	12	5	1			
Hemoptysis .....	1											1					

## MORTUARY STATISTICS.

87

—CONTINUED.

SEX.	RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
	Caucasian.	Mongolian	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.			12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained
Male.....	Female																				
....	1	1												1					1		
....	1	1												1					1		
3	4	7			1					1				1	3	1		1	6		
1		1		1														1			
1		1													1			1			
....	1	1									1							1			
2	1	3			1								2						3		
....																					
1			1						1									1			
15	6	21			1				1	2	1		3	3	3	7		10	9	2	
2		2												2				1		1	
1	2	2		1										2		1		1		2	
2	2	4									1	1			1	1		2	1	1	
7	9	15	1		1		1		1	1	1		2	7		2		6		10	
6	3	9			2	3					1			1		1				9	
4	8	10	2		1		3							4	2	2		3		9	
7	5	12				1						1		3		7		1		11	
1		1												1						1	
4	1	5				1								2	1					5	
....	1	1												1						1	
....	4	2	2		1			2							1					4	
32	23	52	3		1	2		2		1	2	5	2	3	8	11	18		34	15	6
1			1					1										1			





## MORTUARY STATISTICS.

89

—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
Male	Female	Caucasian	Mongolian	African	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertained
2		2													1	1			2			
17	6	16	7	1	3		6		1		1				6		5		19	2	2	
1	1	2															2		1		1	
1		1													1				1			
1		1														1				1		
1		1															1		1			
14	7	20	1		2		1						2		6	3	7		14	5	2	
1	1	2													1	1			1	1		
	4	4		1			1								1	1			2	1	1	
17	6	22	1		1		2		1	1				2	4	1	11		12	2	9	
2	3	5															5		3	2		
	1	1															1		1			
11	12	22	1				3						4	2	4	3	7		1		22	
8	10	16	1	1					1		2	1			5		9		16	2		
	1	1			1																1	
25	8	33																33	16	11	5	1

[illegible]

## MORTUARY STATISTICS.

91

## No. IV (c)

DURING THE MONTH ENDING OCTOBER 31, 1896.

Month of 1895—180.

SEX.	RACE.			WARDS.												Public Institutions..	.....	Violent Deaths.....	.....	NATIVITIES.				
																				Foreign Countries..	Atlantic States.....	Pacific Coast.....	Unascertained..	
Male.....	Female.....	Caucasian ..	Mongolian ..	African.....	1st Ward.....	2d Ward.....	3d Ward.....	4th Ward.....	5th Ward.....	6th Ward.....	7th Ward.....	8th Ward.....	9th Ward.....	10th Ward.....	11th Ward.....	12th Ward.....								
320	186	459	39	8	13	18	...	31	1	14	6	27	19	34	108	67	120	....	48	..	236	72	192	6
24	16	38	1	1	1	2	...	...	...	2	1	2	1	1	16	4	10	.....	.....	.....	9	4	26	1
76	43	105	11	3	5	4	...	10	1	4	1	7	4	10	21	17	35	.....	.....	.....	62	21	36	...
160	98	233	22	3	7	11	...	19	...	7	3	16	13	20	57	43	62	.....	.....	.....	130	35	91	2
19	22	38	2	1	...	1	...	2	...	1	1	2	1	3	14	3	13	.....	.....	.....	10	2	29	...
41	7	45	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....	48	.....	25	10	10	3
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	.....	.....	.....	1	...	...	1
4	6	10	...	...	1	2	...	...	...	...	...	...	...	1	5	1	...	.....	.....	.....	...	...	10	...
2	2	4	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	.....	.....	.....	...	...	4	...
1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	.....	.....	.....	1	1	...	...
2	4	6	...	...	...	...	...	...	...	1	1	...	...	...	4	...	...	.....	.....	.....	1	1	4	...
9	1	9	...	1	...	...	...	...	...	...	...	...	...	...	1	2	7	.....	.....	...	4	2	4	...
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	.....	.....	.....	...	...	2	...
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	.....	.....	.....	...	...	1	...
2	...	1	1	...	...	...	...	...	...	1	...	1	...	...	...	...	...	.....	.....	.....	1	...	1	...
...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	.....	.....	.....	1	...	...	...
15	15	29	1	...	1	1	...	...	1	1	...	3	...	1	5	6	11	.....	.....	.....	20	9	1	...
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	.....	.....	.....	...	...	1	...
40	26	63	9	3	4	2	...	8	...	3	1	3	4	5	13	10	22	.....	.....	.....	41	11	23	...
1	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	.....	.....	.....	1	...	...	...
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	.....	.....	.....	...	...	2	...



## MORTUARY STATISTICS.

93

—CONTINUED.

SEX.	RACE.	WARDS.												Public Institutions...	Violent Deaths.....	NATIVITIES.				
		12th Ward....	11th Ward....	10th Ward....	9th Ward....	8th Ward....	7th Ward....	6th Ward....	5th Ward....	4th Ward....	3d Ward....	2d Ward....	1st Ward....			African .....	Mongolian...	Caucasian ...	Foreign Countries...	Atlantic States.....
Male .....	Female.....																			
7	1	8			1		1			1		3	2					1	7	
1		1										1							1	
	1	1											1						1	
1	1	2										1		1			1	1		
2	1	3											1	1	1			1	2	
8	9	17			1						1	1	1	6	6	1		15	1	
	1	1											1						1	
2	2	4										1	1		1	1		4		
5	1	6				2							3		1			2	2	
8	7	14	1		2	1		1		1	1	4	1	3		1			15	
2		2											1		1			2		
1		1												1				1		
10	8	18			1	1							5	7	4			2	4	12
3	10	13			1	1			1			1		2	1	6		1		12
2		2								1				1					2	
4	1	5								1			2		2			2	1	2
3		3									1		2					1		2
37	16	49	3	1	1	3		4			3	3	4	11	11	13		37	10	6
3		4												1	1	2		3	1	
24	6	14	16		1	2		12		4			1	3	2		5	23	2	4
2		2														2				
1	1	2									1			1					2	
	2	2									1			1				1		
1		1										1								1



## MORTUARY STATISTICS.

95

—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions..	.....	Violent Deaths.....	.....	NATIVITIES.			
Male.....	Female.....	Caucasian....	Mongolian...	African.....	1st Ward.....	2d Ward.....	3d Ward.....	4th Ward....	5th Ward....	6th Ward....	7th Ward....	8th Ward....	9th Ward....	10th Ward....	11th Ward....					12th Ward....	Foreign Countries..	Atlantic States...	Pacific Coast.....
2	5	7										2		1	2	1	1	3	1	3			
13	6	17	1	1						1		1		2	4	5	6	10	5	4			
	4	4													1	2	1	4					
	2	2																1	1				
24	12	34	1	1		1		2		1	2	2	2	3	9	4	10	15	1	19	1		
1		1															1						
1	1	2														2		1	1				
	1	1									1								1				
15	13	26	1	1		1				1	1	1	1	2	12	1	8			28			
4	6	9	1					2							1	2	5		9	1			
	1	1												1						1			
	1	1												1									
	1	1									1								1				
41	7	45	3														48		25	10	3		





## 97

DURING THE MONTH ENDING NOVEMBER 30, 1896.

Month of 1895—496

[illegible]

TABLE No. IV (c

CAUSES OF DEATH	Total	AGES.															Uncertain.	Over 100
		Under 1	1 to 2	2 to 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100			
II. CONSTITUTIONAL DISEASES—Cont'd.																		
Phthisis-pulmonalis	63	1	1			2	1	19	18	12	7	1	1					
Rheumatism	3									2		1						
Syphilis, cong	3	3																
Tubercular meningitis	4	1	1	1	1													
Tuberculosis of liver	1									1								
III. LOCAL DISEASES.																		
Abcess of stomach	1												1					
Abcess of liver	1											1						
Appendicitis	2					1				1								
Apoplexy	15								3	1	4	4	3					
Brain, congestion of	2											1	1					
Brain, softening of	1									1								
Bronchitis	14	6	1	2	1					1		3						
Convulsions	7	4	1	2														
Cystitis	1														1			
Diabetes	2										1		1					
Encephalitis, meningitis, etc	17	5	2	4				3		3								
Enteritis	7	5						1				1						
Entero-colitis	1	1																
Gangrene of foot	1										1							
Gastritis	3	2	1															
Gastro-enteritis	3	2							1									
Heart, valvular, disease of	55	1			1	1		2	2	8	11	18	11					
Hæmoptysis	3							1		1	1							

## MORTUARY STATISTICS.

99

—CONTINUED.

SEX.		RACE.			WARDS.												Public Institutions...		Violent Deaths			NATIVITIES.			
Male	Female	Caucasian...	Mongolian...	African...	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward						Foreign Countries	Atlantic States	Pacific Coast	Uncertain
43	20	49	12	2	1	2		9	1	4	1	4	5	9	10	10	7	31	7	25					
1	2	3													1	1		3							
2	1	3															3			3					
4		4									1				1	1	1			4					
	1	1						1										1							
	1	1													1			1							
1		1															1	1							
1	1	2													1	1		1		1					
11	4	15			2		1					1	1	1	4	1	4	9	6						
1	1	2							1						1			1	1						
1		1															1		1						
7	7	13	1			2					1			2	4	3	2	4		10					
3	4	7												1	4	2				7					
1		1															1		1						
1	1	9								1				1				1	1						
10	7	17				1		1						2		4	3	6	3	1	13				
4	3	7				1								1		1	3		1	6					
	1	1														1				1					
	1	1										1							1						
	3	3											1	1			1			3					
1	2	3											1		1	1		1		2					
39	16	53	2		3	2	1	3		2	2	3	3	9	11	10	6		34	16	4				
2	1	3											1			1		1	1	1					



## MORTUARY STATISTICS.

101

—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	Foreign Countries.	NATIVITIES.			
Male.	Female.	Caucasian	Mongolian	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.				12th Ward.	Pacific Coast.	Atlantic States.	Uncertained
12	7	14	5				5		2	1				1	2	4	4		13	3	3	
	1	1															1		1			
4	2	6					1							1	1	2	1		4	1	1	
3	1	4					1					1			1	1			1	1	2	
1		1														1					1	
1		1													1				1			
15	6	19	2	1	1	2						1			4	5	7		15	3	3	
2	1	3														1	2		2		1	
5	2	6	1						1					1	1	1	3		2	4	1	
1		1														1			1			
29	12	41			5		1					1	3	3	12	6	10		18	5	18	
1		1													1					1		
	4	4													1		3		1	2	1	
10	10	20					1		1				2	2	3	6	5		1		19	
6	7	11	1	1			1		1				1	2		4	4		9	4		
1	1	2												1		1					2	
27	7	34															34		18	5	8	3

**TABLE**

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,  
Number of Deaths the Corresponding

CAUSES OF DEATH.	Total.	AGES													Un- certain- ed.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	Over 100.	
All causes .....	603	86	9	16	11	3	15	70	78	86	80	84	52	13	..
<b>CLASSES.</b>															
I. Zymotic Diseases .....	38	7	2	6	4	1	1	3	..	7	5	1	1	..	..
II. Constitutional Diseases .....	145	8	1	3	1	..	7	28	28	23	23	16	7	..	..
III. Local Diseases .....	329	51	6	4	3	2	5	30	39	44	50	50	39	6	..
IV. Developmental Diseases .....	50	20	..	1	1	..	2	2	1	..	..	11	5	7	..
V. Violent Deaths .....	41	..	..	2	2	..	..	7	10	12	2	6	..	..	..
<b>I. ZYMOTIC DISEASES.</b>															
Anæmia .....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Cholera infantum .....	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup .....	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Diarrhœa .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	11	1	2	5	3	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever, malarial .....	2	1	..	..	..	..	..	..	..	1	..	..	..	..	..
Fever, typhoid .....	9	..	..	..	..	1	1	2	..	4	1	..	..	..	..
Pertussis .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Septicæmia .....	5	..	..	..	..	..	..	1	..	1	2	..	1	..	..
Syphilis .....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..
<b>II. CONSTITUTIONAL DISEASES.</b>															
Cancer .....	41	..	..	..	..	..	..	2	2	7	15	11	4	..	..
Hydrocephalus .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Hydrothorax .....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Purpura hæmorrhagica .....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Phthisis-pulmonalis .....	88	..	..	1	1	..	6	25	26	16	6	4	3	..	..
Scrofula .....	2	..	1	..	..	..	..	1	..	..	..	..	..	..	..

## MORTUARY STATISTICS.

103

## No. IV (c)

DURING THE MONTH ENDING DECEMBER 31, 1896.

Month of 1895-514.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
		Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.
Male.....	Female.....	550	46	7	18	28	42	18	11	27	25	43	124	70	156	41	303	107	188	5
24	14	36	1	1	1	1	2	2	1	3	2	18	3	5	11	4	23			
81	64	129	14	2	4	8	13	5	1	11	8	8	32	14	41	71	35	39		
198	131	304	22	3	12	18	2	9	6	13	13	27	64	49	93	179	56	93	1	
23	27	44	5	1	1	1	2	4	2	2	1	6	10	4	17	18	7	25		
30	11	37	4												41	24	5	8	4	
...	1	1											1			1				
2	1	3						1					2					3		
1	1	2			1								1					2		
...	1	1												1				1		
9	2	11						1					10					11		
1	1	2							1				1				1	1		
1	1	2				1							1				1		1	
6	3	9		1									2	2	1	3	4	1	4	
...	1	1											1					1		
3	2	4		1									1	2	1		3	2		
1			1				1										1			
21	20	39	2		1	4	3	4	1	3	10	6	9				26	15		
1		1												1				1		
...	1	1				1											1			
1		1												1			1			
53	35	75	11	2	3	5	8	2	1	6	7	5	18	7	26		41	20	27	
...	2	2											2						2	

TABLE No. IV (c)

CAUSES OF DEATH.	Total.	AGES.														Unclassified.
		Under 1	1 to 2	2 to 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	Over 100	
II. CONSTITUTIONAL DISEASES—Cont'd.																
Syphilis, cong.....	1	1														
Tubercular meningitis.....	4	2		2												
Tuberculosis of intestines.....	4	4														
Tuberculosis of larynx.....	1										1					
Tubercular peritonitis.....	1						1									
III. LOCAL DISEASES.																
Abscess, cerebral.....	5	1						2		1	1					
Abscess of liver.....	1								1							
Abscess of pelvis.....	2						1	1								
Appendicitis.....	2								1		1					
Apoplexy.....	23								4	1	6	5	5	2		
Brain, softening of.....	7								1		1	3	2			
Bronchitis.....	18	10		1					1	1	1	1	2	1		
Cystitis.....	3										1			2		
Cerebral sclerosis.....	1									1						
Convulsions.....	6	5	1													
Diabetes.....	2							1						1		
Encephalitis, meningitis, etc.....	20	10	2	2			1	3	1			1				
Enteritis.....	10	7	1			1		1								
Epilepsy.....	4								1	3						
Gastritis.....	2	1										1				
Gastro-enteritis.....	2	2														
Gangrene.....	2										1		1			
Gangrene of foot.....	1										1					
Heart, diseases of.....	74				1		2	5	8	11	11	19	17			
Hemoptysis.....	2								1				1			
Hepatitis.....	26								3	12	8	3				



## MORTUARY STATISTICS.

105

—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertain.
1		1															1				1	
1	3	4				1									2		1				4	
1	3	4			1	1											2				4	
1		1														1			1			
1			1									1							1			
2	3	5												2	3				2	1	2	
	1	1													1					1		
	2	2															2			1	1	
1	1	2				1										1			1	1		
12	11	23			1		1		1		3		4	6	2	5			19	3	1	
7		7												1		6			5	1	1	
10	8	18			3	2			1	1	1	2	1	2	3	2			4	2	11	1
3		3			1	1				1									2	1		
	1	1														1			1			
5	1	6					1							1	2	2					6	
1	1	2														1	1		1	1		
12	8	17	3		1	1		4						2	3	4	5		3	1	16	
4	6	9		1		1									1	1	7				10	
3	1	4				1		1								1	1		1	1	2	
2		2														1	1		1		1	
1	1	1	1					1						1							2	
2		2															2		2			
	1	1														1			1			
44	30	70	2	2	2	1		5		1	5	4	6	22	8	20			47	19	8	
1	1	1	1					1						1					2			
17	9	16	10		3	2		7		3				2	1	3	5		23	3		



## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.			12th Ward.	Foreign Countries.	Athletic States.	Coast.	Pacific
2		12									1			1				1	1			
3		3			1												2	2		1		
	1	1													1					1		
	1	1			1															1		
2	1	3			1											1	1		2	1		
2		2														2			1		1	
15	7	20	2		1		1	1	1	3	1	2	1	4	7			14	5	3		
6	5	10	1	1	1		1						1		3	2	2	10	1			
1		1													1					1		
3	3	6								1		1		1		3		2	2	2		
32	23	53	2	1	2		2		2	1	1	4	2	14	11	15		29	8	18		
	1	1												1						1		
1	2	3														3		2		1		
	1	1												1						1		
2		2														2			2			
2		2												1		1		1		1		
12	11	22		1	1	1				1	2		3	9		6					23	
11	12	19	4				1		4	1			2	1	4	10		17	6			
	3	2	1			1						1	1					1	1		1	
	1	1														1					1	
30	11	37	4															41	24	5	8	4

TABLE

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,

Number of Deaths the Corresponding

CAUSES OF DEATH.	Total.	AGES.														Un- certified.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	
All causes .....	613	81	21	26	18	3	12	61	73	76	84	95	44	17	2	..
CLASSES.																
I. Zymotic Diseases.....	48	5	..	11	10	1	..	5	5	2	2	5	1	1	..	2
II. Constitutional Diseases .....	131	6	1	3	2	..	7	28	27	19	20	14	3	1	..	..
III. Local Diseases.....	334	44	19	10	6	2	3	23	33	46	54	61	25	7	1	..
IV. Developmental Diseases .....	64	26	1	1	..	..	..	2	..	..	2	9	15	7	1	..
V. Violent Deaths.....	36	..	..	1	..	..	2	3	8	9	6	6	..	1	..	..
I. ZYMOTIC DISEASES.																
Alcoholism.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Anemia.....	2	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
Cerebro-spinal meningitis.....	4	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..
Cholera infantum.....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup.....	3	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Diphtheria .....	8	..	..	5	3	..	..	..	..	..	..	..	..	..	..	..
Erysipelas.....	2	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Fever, malarial.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Fever, typhoid .....	13	..	..	1	1	1	..	5	3	..	..	2	..	..	..	..
Influenza .....	2	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..
Measles.....	4	..	..	1	3	..	..	..	..	..	..	..	..	..	..	..
Pertussis.....	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlatina.....	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Septicæmia.....	2	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..

## MORTUARY STATISTICS.

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No. IV (c)

DURING THE MONTH ENDING JANUARY 31, 1897.

Month of 1896—493.

SEX.		RACE.		WARDS.													Public Institutions.					Violent Deaths.	NATIVITIES.				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.				Foreign Countries.	Atlantic States.	Pacific Coast.	Uncertained				
382	231	559	44	10	19	21	..	36	...	20	11	29	19	51	140	87	144	...	36	...	300	96	214	3			
28	20	46	1	1	...	...	...	...	...	1	3	1	4	19	11	9	...	...	...	11	9	27	1				
79	52	114	15	2	6	1	...	15	...	6	4	3	3	8	32	15	38	...	...	65	22	44	...				
210	124	307	21	6	11	17	...	18	...	11	5	18	14	34	71	52	83	...	...	175	52	106	1				
38	26	58	5	1	2	3	...	3	...	3	1	5	1	5	18	9	14	...	...	29	6	29	...				
27	9	34	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	36	...	20	7	8	1			
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...				
1	1	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	1	...	...				
3	1	4	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	4	...				
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...				
3	...	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	1	2	...				
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...				
3	5	8	...	...	...	...	...	...	...	1	...	...	...	...	4	3	...	...	...	...	...	8	...				
1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	1	...	...				
1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...				
9	4	12	1	...	...	...	...	...	...	...	...	...	...	...	6	3	4	...	...	4	3	6	...				
1	1	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	1	...	...				
2	2	4	...	...	...	...	...	...	...	...	1	1	1	1	1	...	...	...	...	1	1	2	...				
...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	2	...				
1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	2	...				
1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	2	...	...	...				

TABLE No. IV (c)

CAUSES OF DEATH.	Total.	AGES.														
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Unascertained.
II. CONSTITUTIONAL DISEASES.																
Cancer . . . . .	35							2	3	14	12	3	1			
Hydrocephalus . . . . .	2	2														
Phthisis-pulmonalis . . . . .	87	1		1	1		7	28	25	16	6	2				
Rheumatism . . . . .	1				1											
Syphilis, cong. . . . .	1	1														
Tubercular meningitis . . . . .	4	1	1	2												
Tuberculosis of intestines . . . . .	1	1														
III. LOCAL DISEASES.																
Abscess, pelvic . . . . .	1													1		
Apoplexy . . . . .	27								2	6	5	12	2			
Brain, congestion of . . . . .	3										2	1				
Brain, softening of . . . . .	5								1		2	1	1			
Bronchitis . . . . .	29	3	6	1				1	2	1	3	5	5	2		
Convulsions . . . . .	13	8	3	1	1											
Cystitis . . . . .	2										1	1				
Diabetes . . . . .	2										1		1			
Encephalitis, meningitis, etc. . . . .	17	7	4	2		1			1	1		1				
Enteritis . . . . .	10	7	2	1												
Empyema . . . . .	2								1		1					
Gastritis . . . . .	6	1			1			1		1	1	1				
Heart, diseases . . . . .	72				1			5	6	12	18	22	7	1		
Hæmoptysis . . . . .	3							1		1		1				
Hæmatemesia . . . . .	1	1														
Hepatitis . . . . .	16								4	5	4	2	1			
Hernia . . . . .	2									1	1					

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE		WARDS.												Public Institutions	Violent Deaths	NATIVITIES.			
Male	Female	Caucasian	Mongolian	African	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward	Foreign Countries	Atlantic States	Pacific Coast	Unascertained	
26	9	30	5	2			4	1	1	1	2	9	3	13			29	5	1		
1	1	1	1				1							1					2		
49	38	76	9	2	4	1	10		5	4	9	3	5	19	10	24	36	17	34		
	1	1												1					1		
1		1														1			1		
2	2	4												3	1				4		
	1	1													1				1		
1		1																			
17	10	26	1		1		2		2		1	1	2	9	6	3	19	6	2		
2	1	3												1	1		3				
2	3	4		1	1						1		1			2	4		1		
17	12	27	2		1	4	2			1	1	2	2	9	4	3	18	1	10		
8	5	13			1							1	3	4	4					13	
2		2														2	1	1			
2		2												1		1	1			1	
9	8	17						2					1	7	2	5	2	1	14		
6	4	10		1								1	1	2		5				10	
1	1	2						1							1		1			1	
2	4	5	1								1	1		1	2	1	3		3		
53	19	66	4	2	1	4	2		2	1	7	3	9	11	11	21	53	13	6		
3		3			1										1		3				
1		1													1					1	
12	4	12	4				3		1				2	1	4	2	14	1	1		
2		2														2	1	1			

TABLE No. IV (c)



## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
		African.	Mongolian.	Caucasian.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.			10th Ward.	11th Ward.	12th Ward.	Foreign Countries.	Athletic States.
Male.	Female.																			
2		2									1		1					2		
3	2	5										2	1	1	1			3		2
4	6	10					2			1			3	3	1			3	1	6
2		2			1									1						2
17	9	23	3	4		2		2	1	2	1	1	3	4	6			13	9	4
2	1	3												2	1			1	2	
1	4	3	1	1			1				1		1	1	1			2	1	2
38	29	62	3	2	3	4	4		1	1	3	1	6	12	11	21		28	13	26
1		1			1															1
	1	1													1				1	
	1	1													1					1
18	8	25		1	1	1					3	1	3	8	4	5				26
18	16	29	5		1	2	3		3	1			2	8	5	9		29	5	
2		2									1			1						2
	2	2									1			1					1	1
27	9	34	2													36	20	7	8	1

TABLE

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,

Number of Deaths the Corresponding

CAUSES OF DEATH.	Total.	AGES.															
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Unascertained.	
All causes .....	551	75	20	27	12	9	9	45	63	74	72	75	51	4	2	1	2
CLASSES.																	
I. Zymotic Diseases.....	47	4	2	12	3	..	1	2	4	3	9	3	4	..	..	..	..
II. Constitutional Diseases.....	126	4	1	2	2	2	4	28	26	26	17	8	6	..	..	..	..
III. Local Diseases.....	297	49	16	13	7	6	3	9	24	38	41	48	36	5	1	1	..
IV. Developmental Diseases..	47	17	1	..	..	..	..	3	2	..	..	9	5	9	1	..	..
V. Violent Deaths .....	34	1	..	..	..	1	1	3	7	7	5	7	..	..	..	..	2
I. ZYMOTIC DISEASES.																	
Alcoholism.....	4	..	..	..	..	..	..	..	..	..	3	1	..	..	..	..	..
Anæmia .....	3	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
Cerebro-spinal meningitis.....	3	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera infantum.....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup.....	6	..	..	4	2	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa .....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Diphtheria .....	3	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..
Erysipelas.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Fever, malarial .....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Fever, typhoid .....	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..
Influenza.....	6	..	..	..	..	..	..	..	1	1	1	..	3	..	..	..	..
Measles.....	6	1	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..
Morphinism .....	2	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Septicæmia.....	8	..	..	1	..	..	..	2	2	1	1	1	..	..	..	..	..
II. CONSTITUTIONAL DISEASES.																	
Cancer .....	36	..	..	..	..	..	..	2	1	12	11	5	5	..	..	..	..
Herpes Zoster.....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..

## MORTUARY STATISTICS.

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## No. IV (c)

DURING THE MONTH ENDING FEBRUARY 28, 1897.

Month of 1896—483.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.								
		Caucasian	Mongolian	African	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.			10th Ward.	11th Ward.	12th Ward.	Foreign Countries.	African States.	Pacific Coast.	Unascertained		
Male.	Female.	321	230	495	50	6	13	24	1	46	1	19	8	12	25	47	121	70	130	34	270	82	193	6
27	20	44	3	...	2	...	...	2	...	2	1	...	...	...	3	15	6	12	...	...	17	6	24	...
74	52	105	21	...	1	5	...	25	...	5	2	1	4	9	21	19	34	...	...	...	66	21	38	1
69	128	272	19	6	10	14	1	17	1	9	5	10	16	30	74	39	71	...	...	...	144	44	105	4
24	23	43	4	...	...	3	...	2	...	3	...	1	3	5	11	6	13	...	...	...	21	6	20	...
27	7	31	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34	...	...	22	5	6	1
4	...	4	...	...	1	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	3	1	...	...
2	1	2	1	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	...	1	1	1	...
1	2	3	...	...	...	1	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	3	...
1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...
2	4	6	...	...	...	...	...	...	...	...	...	...	...	2	3	1	...	...	...	...	...	...	6	...
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...
...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	1	...	2	...
1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...
2	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	...
5	1	6	...	...	...	1	...	...	...	1	...	...	...	...	3	1	...	...	...	...	6	...	...	...
3	3	6	...	...	...	...	...	...	...	...	...	...	...	...	4	2	...	...	...	...	...	...	6	...
1	1	2	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1	...
5	3	7	1	...	...	...	...	...	...	...	...	...	2	...	...	...	6	...	...	...	3	3	2	...
12	24	31	5	...	...	1	...	7	...	2	1	...	...	...	...	2	6	17	...	...	23	11	1	1
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...

TABLE No. IV (c)

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.		
II. CONSTITUTIONAL DISEASES—Cont'd.																	
Phthisis-pulmonalis.....	81	1		1	1	1	4	25	25	14	5	3	1				
Rheumatism.....	1		1														
Syphilis, cong.....	1	1															
Tubercular meningitis.....	12	1		1													
Tubercular peritonitis.....	1					1											
Tuberculosis of bladder.....	1							1									
Tuberculosis of intestines.....	2	1			1												
III. LOCAL DISEASES.																	
Apoplexy.....	16								1		6	3	5	1			
Brain, softening of.....	6										1	2	3				
Bronchitis.....	21	6	1	1						3	3	4	2	1			
Convulsions.....	11	9		1	1												
Diabetes.....	5								1			1	2	1			
Encephalitis, meningitis, etc.....	25	6	7	4	2				4			2					
Enteritis.....	13	12											1				
Emphysema.....	1										1						
Epilepsy.....	1					1											
Gastritis.....	2	1									1						
Gastro-enteritis.....	3	1	2														
Gangrene of foot.....	1												1				
Heart diseases.....	72	1				1	2	2	6	15	15	18	11		1		
Hemorrhage of stomach.....	1							1									
Hemoptysis.....	6								1	2	2		1				
Hepatitis.....	20	1							1	7	6	3	1	1			

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE		WARDS.													Public Institutions.		Violent Deaths.		NATIVITIES.				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.			
54	27	65	16	...	1	4	...	17	...	3	1	1	4	8	17	10	15	...	43	8	30	...			
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...			
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...			
2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2	...			
1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...			
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...			
1	1	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	2	...			
10	6	16	...	...	...	1	1	1	...	...	...	3	...	1	4	4	1	...	...	7	8	...	1		
3	3	6	...	...	...	...	...	...	...	...	...	1	...	...	1	...	4	...	...	4	2	...	...		
10	11	17	4	...	2	...	...	4	...	1	...	2	1	5	3	3	...	...	12	1	8	...			
6	5	11	...	...	1	1	...	...	...	...	...	1	1	4	3	...	...	...	...	...	11	...			
4	1	5	...	...	...	...	...	...	...	...	...	...	...	...	1	2	2	...	...	4	1	...			
12	13	24	...	1	1	4	...	1	...	...	...	2	2	2	4	3	6	...	...	4	2	19	...		
6	7	13	...	...	...	...	...	1	...	...	...	...	...	1	1	1	9	...	...	1	...	12	...		
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...		
1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...		
1	1	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	1	1	...	...		
1	2	2	1	...	...	...	...	1	...	...	...	...	...	...	1	1	...	...	...	...	3	...	...		
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...		
42	30	65	4	3	2	1	...	2	1	4	1	2	8	10	19	9	18	...	...	49	16	6	1		
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...		
5	1	5	1	...	1	...	...	...	...	...	...	...	...	1	2	...	2	...	...	4	...	2	...		
17	3	12	8	...	...	...	...	6	...	4	...	...	...	...	3	2	5	...	...	16	3	1	...		

TABLE No. IV (c)

[illegible]

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	Foreign Countries.	NATIVITIES.			
Male.	Female.	Caucasian	Mongolian	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.				12th Ward.	Pacific Coast.	Atlantic States.	Unascertained.
1	1	2			1									1				1				
2	1	3												1	2			1		2		
	3	3												1	2					3		
6	6	1	1	1	1								1		1	3	5	7	3	1	1	
3	2	5													2	1	2	4	1			
3	2	5													2	1	2	2		3		
30	27	56	1	3	3	1	1	2	2	5	6	19	6	9				22	5	29	1	
1		1													1			1				
2		1	1												1	1		1	1			
1		1			1															1		
1		1													1			1				
	1	1									1							1				
10	9	18	1		1	1	1			3	2	5	1	6				1	1	17		
12	10	21	2		2	1	1	1	1		3	5	3	7				18	5			
1	1	2				1							1							2		
	2	1	1				1						1					2				
	1	1											1							1		
27	7	31	3														34	22	5	6	1	

**TABLE**

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,

Number of Deaths the Corresponding

CAUSES OF DEATH.	Total.	AGES.														Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	
All causes .....	560	67	29	28	25	6	9	51	75	57	81	75	42	13	1	1
CLASSES.																
I. Zymotic Diseases .....	39	6	6	7	8		1	2	3	1	2	3				
II. Constitutional Diseases .....	131	2	3	6	3	2	5	18	31	16	25	15	4	1		
III. Local Diseases .....	296	33	17	14	11	2	3	21	32	36	41	45	29	8		1
IV. Developmental Diseases .....	50	24	3						1	1	1	7	8	4	1	
V. Violent Deaths .....	47	2		1	3	2		10	8	3	12		1			
I. ZYMOTIC DISEASES.																
Alcoholism .....	1										1					
Cerebro-spinal meningitis .....	2		1	1												
Croup .....	7		2	4								1				
Diarrhoea .....	1											1				
Diphtheria .....	12	2	1	1	8											
Erysipelas .....	1	1														
Fever, typhoid .....	7						1	1	2	1	1	1				
Measles .....	1		2													
Pertussis .....	2	1	1													
Scarlatina .....	1			1												
Septicæmia .....	4	2						1	1							
II. CONSTITUTIONAL DISEASES.																
Cancer .....	30								5	3	9	10	2	1		
Goitre .....	1								1							
Leucocythemia .....	1			1												
Phthisis-pulmonalis .....	83	1	1	1	1	2	4	18	22	13	13	5	2			



## MORTUARY STATISTICS.

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## No. IV (c)

DURING THE MONTH ENDING MARCH 31, 1897.

Month of 1896—528.

SEX.		RACE.			WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.	
363	197	519	38	3	9	28	1	26	3	28	8	19	26	43	119	83	120	47	206	80	205	9	
21	18	39			2		2		1				5	6	10	5	8		8	1	29	1	
84	47	116	14	1	2	10		14		5	2	3	5	9	23	14	44		70	22	36	3	
191	102	271	20	2	7	15	1	9	3	19	5	16	16	27	67	50	58		144	46	99	4	
30	29	47	3		1		1		3	1				1	19	14	10		19	3	28		
37	10	46	1															47	25	8	13	1	
	1	1					1															1	
1	1	2													2					2			
4	3	7			2								1	2			2			1	6		
1		1															1		1				
5	7	12					1						2	3	3	2					12		
1		1												1						1			
5	2	7							1				1		3		2		6		1		
1		1													1					1			
2		2													1	1					2		
1		1														1				1			
	4	4											1			1	2		1		3		
19	11	27	3		2		4		1	1			1	1	3	1	16		20	7	2	1	
	1	1															1			1			
1		1													1					1			
57	26	71	11	1	1	6	10		4		3	3	7	16	9	24			49	11	22	1	

TABLE No. IV (c)

CAUSES OF DEATH.	Total.....	AGES.														Unascertained. Over 100.....
		Under 1.....	1 to 2.....	2 to 5.....	5 to 10.....	10 to 15.....	15 to 20.....	20 to 30.....	30 to 40.....	40 to 50.....	50 to 60.....	60 to 70.....	70 to 80.....	80 to 90.....	90 to 100.....	
II. CONSTITUTIONAL DISEASES—Cont'd.																
Syphilis, cong.....	3	1	1	1	..											
Scrofula.....	1										1					
Tubercular meningitis.....	6		1	3	1				1							
Tubercular laryngitis.....	1										1					
Tuberculosis of stomach.....	1						1									
Tuberculosis of intestines.....	4				1				2		1					
III. LOCAL DISEASES.																
Abscess, cerebral.....	1									1						
Appendicitis.....	1							1								
Apoplexy.....	21								1	2	1	7	8	2		
Brain, softening of.....	2								1		1					
Bronchitis.....	12	3	2	3							1		2	1		
Convulsions.....	8	4	2	2												
Cystitis.....	2										1		1			
Diabetes.....	3										2	1				
Encephalitis, meningitis, etc.....	17	3	3	2	3			3	2	1						
Enteritis.....	4	3											1			
Epilepsy.....	2							1	1							
Gastritis.....	1	1														
Gastro-enteritis.....	9	2	2	3		1						1				
Gangrene of lung.....	1										1					
Heart diseases.....	76				2	1	3	6	11	9	16	25	7	1		1
Hemorrhage of stomach.....	1									1						
Hemoptysis.....	3								1	1		1				
Hepatitis.....	22							2	3	7	7	2	1			

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
		Caucasian....	Mongolian....	African....	1st Ward....	2d Ward....	3d Ward....	4th Ward....	5th Ward....	6th Ward....	7th Ward....	8th Ward....	9th Ward....			10th Ward....	11th Ward....	12th Ward....	Foreign Countries....	Athletic States....
Male.....	Female.....	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	4	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	3	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	4	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	6	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	6	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
51	25	71	5	1	2	1	4	1	3	1	5	1	10	15	20	12	48	16	10	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	7	14	8	2	1	1	1	1	6	1	1	1	2	5	2	4	18	3	1	1



## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.							
		12th Ward.	11th Ward.	10th Ward.	9th Ward.	8th Ward.	7th Ward.	6th Ward.	5th Ward.	4th Ward.	3d Ward.	2d Ward.	1st Ward.			African.	Mongolian.	Caucasian.	Female.	Male.	Foreign Countries.	Atlantic States.	Pacific Coast.
8	2													3	2	3					4	2	2
1	1														1						1		
2	4	6						1	1	1				2		1					1	5	
1	1														1						1		
15	9	21	3	1	1		1		2		1		2	6	3	7				13	4	7	
4	4	8											1	1	3	2				5	1	2	
3	2	5					1							1	1	2				4	1		
30	18	45	1	2	1	6		1	3	1	1	7	6	8	3	11				16	3	28	1
1		1														1				1			
1	1	2												1		1				2			
	3	3											2		1					2		1	
13	11	24			1								1	11	6	5						24	
14	7	18	3				1		3	1				4	7	5				18	3		
3		3												2	1							3	
	1	1												1						1			
	1	1												1								1	
37	10	46	1														47		25	8	13	1	

TABLE

## REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,

Number of Deaths the Corresponding

CAUSES OF DEATH.	Total	AGES.															
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	Uncertain.
All causes .....	478	68	21	15	4	8	12	51	52	64	67	68	33	10	3	..	2
CLASSES.																	
I. Zymotic Diseases.....	42	4	...	7	2	1	...	9	5	7	4	2	...	1	...	...	...
II. Constitutional Diseases.....	103	3	5	1	..	1	7	18	19	13	21	12	2	1	...	...	...
III. Local Diseases.....	259	39	16	6	2	6	2	16	21	30	38	46	22	6	...	...	...
IV. Developmental Diseases .....	42	22	...	...	...	...	...	2	1	...	...	4	8	2	3	...	...
V. Violent Deaths.....	32	...	...	1	...	...	3	6	6	5	4	4	1	...	...	...	2
I. ZYMOTIC DISEASES.																	
Alcoholism.....	5	...	...	...	...	...	...	...	1	3	1	...	...	...	...	...	...
Anæmia.....	3	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...
Cerebro-spinal meningitis.....	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cholera infantum.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup.....	6	...	...	4	...	1	...	...	...	...	1	...	...	...	...	...	...
Diarrhœa.....	2	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Diphtheria ..	4	...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas.....	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Fever, malarial.....	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Fever, typhoid.....	5	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...
Morphinism.....	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Measles.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pertussis.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlatina.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Septicæmia.....	7	...	...	...	...	...	...	1	2	1	1	2	...	...	...	...	...
Syphilis.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...

## MORTUARY STATISTICS.

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## No. IV (c)

DURING THE MONTH ENDING APRIL 30, 1897.

Month of 1896-497.

SEX.		RACE.			WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.					
Male.....	Female .....	Caucasian.....	Mongolian .....	African.....	1st Ward.....	2d Ward.....	3d Ward.....	4th Ward.....	5th Ward.....	6th Ward.....	7th Ward.....	8th Ward.....	9th Ward.....	10th Ward.....	11th Ward.....	12th Ward.....			Foreign Countries..	Atlantic States.....	Pacific Coast.....	Unascertained		
286	192	432	40	6	11	27	...	33	...	21	9	14	27	31	105	40	122	...	32	...	240	70	162	6
23	19	40	2	...	...	2	...	1	...	...	1	1	7	3	8	2	17	...	...	...	12	11	18	1
59	44	90	10	3	4	6	...	6	...	4	1	3	3	8	21	17	30	...	...	...	61	9	32	1
157	102	235	22	2	6	15	...	19	...	16	7	8	14	18	65	25	66	...	...	...	137	36	85	1
23	19	35	6	1	1	4	...	7	...	1	...	2	3	2	11	2	9	...	...	...	13	6	23	...
24	8	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32	...	...	17	8	4	3
2	3	5	...	...	...	...	...	...	...	...	...	...	...	1	1	...	3	...	...	...	3	2	...	...
1	2	3	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	1	1	1	...
...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...
1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...
4	2	6	...	...	2	...	...	...	...	...	...	...	2	...	1	1	...	...	...	...	2	4	...	...
1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	2	...	...
2	2	4	...	...	...	...	...	...	...	1	...	2	...	1	...	...	...	...	...	...	...	4	...	...
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
3	2	5	...	...	...	...	...	...	...	...	...	...	...	1	...	1	3	...	...	3	...	2	...	...
1	1	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	1	...	1	...
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...
...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...
...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...
4	3	6	1	...	...	...	...	...	...	...	...	...	...	...	1	6	...	...	3	4	...	...	...	...
1	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...

TABLE No. IV (c)

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
II. CONSTITUTIONAL DISEASES.																	
Cancer .....	25							1	3	12	8	1					
Phthisis-pulmonalis.....	65					1	7	18	17	10	7	4	1				
Rheumatism.....	2										1			1			
Syphilis, cong.....	3	2	1														
Tubercular meningitis.....	5		4	1													
Tubercular peritonitis.....	1								1								
Tuberculosis of intestines.....	2	1									1						
III. LOCAL DISEASES.																	
Abscess .....	4	1						1	1		1						
Appendicitis .....	2				1							1					
Apoplexy.....	8							2		2	1	3					
Brain, congestion of .....	1	1															
Brain, softening of.....	5								1	1	1	1	1				
Bronchitis.....	19	5						1	1	3	2	3	3	1			
Convulsions .....	10	8		2													
Diabetes.....	3									2			1				
Epilepsy.....	1										1						
Encephalitis, meningitis, etc.....	11	1	5	1		1			3								
Enteritis .....	11	8	2							1							
Gastritis.....	2										1	1					
Gastro-enteritis.....	4	1	1	1								1					
Gangrene of lung.....	1										1						
Heart, diseases.....	65	1	1	2		2	1	3	4	7	16	16	9	3			
Hemorrhage of stomach .....	3							1				2					
Hæmoptysis .....	2									2							
Hepatitis.....	22								3	12	2	5					



## MORTUARY STATISTICS.

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—CONTINUED.

SEX.		RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.			
Male	Female	Caucasian	Mongolian	African	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward			12th Ward	Foreign Countries	Atlantic States	Pacific Coast
13	12	22	3			2		1		2			1	2	3	5	9		20	4	
37	28	55	7	3	3	4		5		2	1	2	1	4	15	11	17		37	5	23
2		2															2				
2	1	3														1	2			3	
2	3	5			1								1	1	2					5	
1		1											1					1			
2		2											1			1		1			
2	2	4													1	2	1		2	2	
1	1	2											1	1				1		1	
5	3	8				1				2					2	1	2		6	2	
1		1				1														1	
2	3	5										1			3		1		4	1	
12	7	16	3		1	3		3				1	1		5	2	3		12	2	
5	5	10									1		1	1	6	1				10	
2	1	3														1	2		1	2	
	1	1													1				1		
7	4	11				2					1	2		1	1	3	1		2	1	
3	8	11								2				1		2	6			1	
1	1	2									1						1		2		
1	3	4						1					1		1		1		1	2	
1		1														1		1			
44	21	63	2		2	5		2		3		1	5	5	18	6	18		42	11	
1	2	3			1										2				3		
2		2						2											2		
19	3	12	10		2	1		5		5	1				4	1	3		20	1	



## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.	WARDS.											Public Institutions.	Violent Deaths.	NATIVITIES.				
		1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.			12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.
Male.																			
Female.																			
1	1												1			1			
2	1	3											3			2		1	
1	1												1				1		
1	1										1							1	
2	2									1			1			1		1	
10	3	12	1			1	1	1	1	2	5	2				8	3	2	
4	5	8	1			1					4	1	3			7	1	1	
1	2	3						1			1		1				1	2	
22	21	39	2	2	2	3	3	3	1	2	6	8	5	10		16	4	23	
2	3	5								1				4		1	3		1
2	1	3								1				2		1		2	
1			1			1										1			
10	9	15	3	1	1	3				2	2	4		4		1		18	
10	7	14	3			4			1	1		5	2	4		12	5		
3	1	4					1		1			1		1				4	
1	1			1														1	
1	1	1									1						1		
24	8	32													32	17	8	4	3

TABLE

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,

Number of Deaths the Corresponding

CAUSES OF DEATH.	Total.	AGES.															Unascertained
		Under 1	1 to 2	2 to 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	Over 100	
All causes .....	465	47	18	27	13	2	9	57	64	53	52	66	41	13	1	2	
CLASSES.																	
I. Zymotic Diseases.....	31	3	2	6	3	1	1	2	8	...	1	3	1	...	...	...	
II. Constitutional Diseases.....	117	1	1	6	3	...	5	30	25	19	11	12	4	...	...	...	
III. Local Diseases.....	251	52	15	14	7	1	3	18	25	24	36	41	31	4	...	...	
IV. Developmental Diseases.....	32	11	...	...	...	...	...	1	...	...	1	6	3	9	1	...	
V. Violent Deaths.....	34	...	...	1	...	...	...	6	6	10	3	4	2	...	...	2	
I. ZYMOTIC DISEASES.																	
Alcoholism.....	3	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	
Cerebro-spinal meningitis.....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	
Cholera infantum.....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Croup.....	4	...	...	1	3	...	...	...	...	...	...	...	...	...	...	...	
Diarrhœa.....	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	
Diphtheria.....	5	...	...	4	...	...	...	1	...	...	...	...	...	...	...	...	
Fever, malarial.....	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
Fever, typhoid.....	3	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	
Influenza.....	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	
Morphinism.....	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	
Septicæmia.....	6	...	...	1	...	...	...	1	3	...	...	1	...	...	...	...	
II. CONSTITUTIONAL DISEASES.																	
Cancer.....	22	...	...	...	...	...	...	...	1	5	5	7	4	...	...	...	
Hydrothorax.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	
Phthisis pulmonalis..	83	...	...	2	1	...	4	30	22	13	6	5	...	...	...	...	

## MORTUARY STATISTICS.

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## No. IV (c)

DURING THE MONTH ENDING MAY 31, 1897.

Month of 1896—53S.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.								
		1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained.					
Male.	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.								
295	170	425	30	6	9	21	...	27	2	16	5	14	13	28	109	63	124	...	34	..	208	89	159	9
20	11	31	...	...	...	1	...	...	1	2	...	1	1	2	13	3	7	...	...	...	7	4	19	1
73	44	99	14	4	1	2	...	8	...	6	...	3	7	7	36	15	32	...	...	...	49	30	38	...
154	97	236	14	1	7	15	...	16	1	7	5	10	4	18	56	37	75	...	...	...	117	44	87	3
18	14	29	2	1	1	3	...	3	...	1	...	...	1	1	4	8	10	...	...	...	11	9	11	1
30	4	34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34	..	24	2	4	4
2	1	3	...	...	...	1	...	...	...	...	...	...	...	1	...	...	1	...	...	...	1	...	1	1
1	1	2	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...
1	2	3	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	3	...	...
4	...	4	...	...	...	...	...	...	...	...	...	...	1	...	2	1	...	...	...	...	...	4	...	...
...	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
3	2	5	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	1	4	...	...
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...
2	1	3	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	2	...	1	...
...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...
2	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	2	...	...	...
4	2	6	...	...	...	...	...	...	1	...	...	...	...	...	1	...	4	...	...	...	3	...	3	...
15	7	18	4	...	...	...	...	1	...	3	...	...	1	2	7	4	4	...	...	...	14	7	1	...
1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...
51	32	70	9	4	1	1	...	6	...	3	...	3	4	5	26	8	26	...	...	...	33	23	27	...



## MORTUARY STATISTICS.

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SEX.		RACE		WARDS.												Public Institutions	Violent Deaths	NATIVITIES.				Unascertained		
Male	Female	Caucasian	Mongolian	African	1st Ward	2d Ward	3d Ward	4th Ward	5th Ward	6th Ward	7th Ward	8th Ward	9th Ward	10th Ward	11th Ward	12th Ward					Foreign Countries	Atlantic States	Pacific Coast	
1		1					1														1			
	1	1															1						1	
4	3	7											1		3	2	1							1
1	1	2			1											1								2
3	1	4													2	1	1					2	2	
8	6	14		1					1		1				6	2	3				11	3		
	1	1													1						1			
1	1	2					1								1						1		1	
4	3	7					1								2	1	3				4	3		
12	10	20	2		4		5		1		1		1	3	3	4					6	1	15	
4	2	6								1				1		2							6	
1		1													1						1			
2	2	4												1	1		2				2	2		
9	5	14			3				1	1					2	1	1				2	1	11	
5	2	6	1									1		1			5				1		6	
1		1														1							1	
2	2	3		1										1	1	1	1				2	2		
1	3	4													2	1	1					1	3	
40	19	57	2	2	4		2		1	2	5	1	1	13	9	19					39	11	8	1
4		4		1								1					1				1	2	1	
9	4	9	4		1		3	1	1				1		2	1	3				10	1	1	1
	2	2										1			1						2			
1	1	2																					2	





## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.		WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.					
	Male	Female.	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.			10th Ward.	11th Ward.	12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.
1	1																			1		
1	1	2													1					1		1
1		1																	1			
11	4	13	2		2	1		3									2	4	3	9	4	2
5	2	6	1							1					1	1	2	2	5	2		
1		1																1				
3	12	15								1					1	3	1	9	5	2	8	
22	14	35	1		1	2		1			1			2	5	13	1	10	11	5	20	
1		1																1				
1			1										1						1			
3	7	10			1	1		1							1		5			9	1	
14	6	17	2	1		1		2		1				1		4	6	5	11	9		
1		1				1														1		
	1	1															1			1		
30	4	34																34	24	2	4	4

TABLE

REPORT OF DEATHS REGISTERED IN SAN FRANCISCO, CAL.,  
Number of Deaths the Corresponding

CAUSES OF DEATH.	Total.	AGES.															
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	Unclassified.
All causes.....	486	110	17	17	6	9	12	37	56	45	51	65	49	10	1	1	
CLASSES.																	
I. Zymotic diseases.....	38	15	2	6	2			2	8	1		2					
II. Constitutional diseases.....	76	6	1	2		5	4	11	17	11	12	3	4				
III. Local diseases.....	282	63	14	8	4	4	5	14	21	24	34	50	33	7	1		
IV. Developmental diseases.....	53	26		1				2	1		2	7	11	3			
V. Violent deaths.....	37							3	8	9	9	3	3	1			1
I. ZYMOTIC DISEASES.																	
Alcoholism.....	1											1					
Anæmia.....	1											1					
Cholera infantum.....	11	10		1													
Diarrhœa.....	3	2	1														
Diphtheria.....	6			4	1				1								
Erysipelas.....	4	1							2	1							
Fever, typhoid.....	4				1			1	2								
Morphinism.....	1							1									
Pertussis.....	2	1	1														
Scarlatina.....	1			1													
Septicæmia.....	4	1							3								
II. CONSTITUTIONAL DISEASES.																	
Cancer.....	20									4	9	3	4				
Leucocythæmia.....	2					1	1										
Phthisis-pulmonalis.....	42	1				3	4	9	15	7	3						

## MORTUARY STATISTICS

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## No. IV (c)

DURING THE MONTH ENDING JUNE 30, 1897.

Month of 1896—500.

SEX.		RACE.			WARDS.												Public Institutions.		Violent Deaths.		NATIVITIES.				
Male	Female	Caucasian.	Mongolian.	African.	1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	Pacific Coast.	Unascertained			
287	199	455	30	1	9	38	...	23	1	15	8	18	19	28	111	59	120	...	37	...	206	79	193	8	
17	21	38	...	...	1	8	...	...	...	...	2	1	5	2	9	3	7	...	...	5	8	25	...		
48	28	64	12	...	1	9	...	8	...	5	...	5	...	4	15	7	22	...	...	36	17	23	...		
170	112	269	13	...	7	19	...	12	1	7	6	11	10	16	72	44	77	...	...	129	41	108	4		
22	31	48	4	1	...	2	...	3	...	3	...	1	4	6	15	5	14	...	...	20	5	28	...		
30	7	36	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37	...	16	8	9	4	
1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...		
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...		
2	9	11	...	...	1	5	...	...	...	...	...	...	2	...	3	...	...	...	...	...	1	10	...		
2	1	3	...	...	...	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	3	...		
4	2	6	...	...	...	1	...	...	...	...	1	...	1	1	1	...	1	...	...	...	...	6	...		
2	2	4	...	...	...	...	...	...	...	...	...	1	1	...	1	...	1	...	...	1	2	1	...		
2	2	4	...	...	...	...	...	...	...	...	1	...	...	...	1	...	2	...	...	1	2	1	...		
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...		
1	1	2	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	2	...		
1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...		
...	4	4	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	2	1	1	...		
9	11	18	2	...	...	3	...	2	...	...	...	1	...	1	4	4	5	...	...	11	9	...	...		
1	1	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...		
29	13	32	10	...	1	3	...	6	...	5	...	4	...	2	6	2	13	...	...	22	8	12	...		

TABLE No. IV (c)

CAUSES OF DEATH.	Total.	AGES.															Unascertained.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.	
II. CONSTITUTIONAL DISEASES—Continued.																	
Rheumatism.....	1							1									
Syphilis, cong.....	2	2															
Tubercular meningitis.....	6	5	1	1		1											
Tubercular peritonitis.....	1							1									
Intestinal tuberculosis.....	2			1				1									
III. LOCAL DISEASES.																	
Abscess.....	3						1	1		1							
Apoplexy.....	19									1	5	6	4	3			
Appendicitis.....	2				1			1									
Brain, congestion of.....	1									1							
Brain, softening of.....	1										1						
Bronchitis.....	11	5	2					1				2	1				
Convulsions.....	14	9	1	2	1	1											
Diabetes.....	4											2	2				
Encephalitis, meningitis, etc.....	28	12	5	5	2			1			1	2					
Enteritis.....	17	13	2			1						1					
Gastritis.....	2	1						1									
Gastro-enteritis.....	13	10	3														
Heart, diseases of.....	72					1		4	6	11	10	23	15	2			
Hæmorrhage of stomach.....	2	1										1					
Hæmoptysis.....	2										1		1				
Hepatitis.....	10								2		4	3	1				
Hernia.....	3									1	1		1				
Intestinal inflammation.....	1							1									

## MORTUARY STATISTICS.

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—CONTINUED.

SEX.	RACE.	WARDS.											Public Institutions.	Violent Deaths.			NATIVITIES.			
		1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.					12th Ward.	Foreign Countries.	Atlantic States.	Pacific Coast.
Male.....																				
Female.....																				
1	1												1				1			
2	2											1	1						2	
4	2	6		2							1	2	1						6	
1	1												1						1	
1	1	2										2					1		1	
1	2	3										2	1				2		1	
13	6	19		2		1		1				7	6	2			14	5		
2	2											1	1				1		1	
1	1	1											1				1			
1	1											1						1		
5	6	10	1	1				1		2		4	1	2			4		7	
6	8	14		1	1				1			5	4	1					14	
1	3	4									1	1	1	1			4			
15	13	28			3			1	1	2	2	4	7	4	4		3	1	24	
10	7	17		1	2								4	1	9		1		16	
1	1	2											1	1				1	1	
7	6	12	1		2			1				3	4	2	1				13	
48	24	68	4	2	5	5	1	2	1	3	2	5	16	12	18		52	12	4	2
1	1	2										1		1			1		1	
2	1	1												2			2			
7	3	9	1		1						1	3	2	3			8	2		
2	1	3						1		1				1			1	1	1	
1	1	1										1							1	

TABLE No. IV (c)

[illegible]

## MORTUARY STATISTICS.

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—CONCLUDED.

SEX.	RACE.	WARDS.												Public Institutions.	Violent Deaths.	NATIVITIES.				
		1st Ward.	2d Ward.	3d Ward.	4th Ward.	5th Ward.	6th Ward.	7th Ward.	8th Ward.	9th Ward.	10th Ward.	11th Ward.	12th Ward.			Foreign Countries.	Atlantic States.	East.	Pacific Coast.	Uncertained.
Male.	Female.																			
1	1							1								1				
1	1												1						1	
1	1											1							1	
20	9	25	4	1	1	5	1		3			3	5	10		14	12	3		
2	3	5										2		3		2	2		1	
1	3	4		1						1			1	1		1	2	1		
22	11	32	1		2	1		1	3	2	1	8	2	13		16	1	15	1	
2		2												2		1	1			
1		1										1							1	
10	17	26		1	1	1				4	4	7	1	9		1		26		
12	10	19	3		1	2	2		1		2	7	3	4		17	5			
	1	1												1				1		
	1		1				1									1				
	2	2										1	1			1		1		
30	7	36	1												37	16	8	9	4	

TABLE  
DEATHS REGISTERED IN SAN FRANCISCO

MONTHS.	Total.....	AGES.														
		Under 1....	1 to 2.....	2 to 5.....	5 to 10.....	10 to 15.....	15 to 20.....	20 to 30.....	30 to 40.....	40 to 50.....	50 to 60.....	60 to 70.....	70 to 80.....	80 to 90.....	90 to 100.....	Unascertained.
January.....	493	67	14	7	4	7	14	53	53	72	69	75	42	10	5	1
February.....	483	66	12	21	9	4	12	54	61	60	66	78	25	13	2	...
March.....	528	87	13	13	7	9	8	45	71	72	74	74	45	9	1	...
April.....	497	77	20	15	8	5	7	46	67	53	76	75	36	9	2	1
May.....	538	91	18	19	10	6	14	51	61	61	67	66	56	16	...	2
June.....	500	86	10	16	15	5	8	57	59	62	63	66	40	12	1	...
July.....	505	113	14	7	7	3	12	45	68	67	60	48	37	12	2	...
August.....	454	88	18	15	8	5	8	48	52	54	59	54	35	8	2	...
September.....	496	88	17	18	2	3	11	48	62	63	50	59	31	13	1	...
October.....	506	100	15	22	5	8	13	43	71	77	57	53	35	6	1	...
November.....	463	78	10	18	9	6	4	52	56	67	61	61	29	8	...	1
December.....	603	86	9	16	11	3	15	70	78	86	80	84	52	13	...	...
Totals.....	6036	1027	170	187	95	64	126	612	759	794	782	806	463	129	17	5



No. V.

DURING THE CALENDAR YEAR 1896.

SEX.	RACE		WARDS.												Public Institutions.	Suicides.....	NATIVITIES.					
																	Foreign Countries..	Atlantic States.....	Pacific Coast.....	Unascertained		
Male .....	Female.....	Caucasian ..	Mongolian, ...	African.....	1st Ward.....	2d Ward.....	3d Ward.....	4th Ward.....	5th Ward.....	6th Ward.....	7th Ward.....	8th Ward.....	9th Ward.....	10th Ward.....	11th Ward.....	12th Ward.....						
309	184	453	35	5	8	27	2	36	1	11	6	20	24	36	105	68	126	23	252	92	144	5
305	178	440	32	11	16	29	..	37	1	19	9	19	16	35	82	66	132	22	227	80	168	8
318	210	455	33	10	18	26	1	34	3	13	5	21	20	23	114	73	138	39	263	95	166	4
280	217	457	35	5	14	32	..	29	2	13	10	35	17	30	106	63	114	32	237	88	167	5
302	236	496	35	7	14	35	3	26	2	12	4	21	12	34	117	78	146	34	237	91	202	8
301	199	452	45	3	13	30	..	32	2	19	8	24	14	31	117	51	113	46	253	66	172	9
312	193	461	42	2	10	27	1	39	2	12	10	23	16	37	102	58	126	42	223	76	198	8
272	182	415	39	...	9	25	..	28	1	30	14	16	20	18	93	64	105	31	202	73	175	4
285	181	429	33	4	12	25	..	29	...	11	11	14	19	24	101	54	133	33	218	74	170	4
320	186	459	39	8	13	18	..	31	1	14	6	27	19	24	108	67	120	48	236	72	192	6
290	173	429	31	3	13	14	2	31	2	14	6	17	24	37	94	75	100	34	211	78	167	7
356	247	550	46	7	18	28	..	42	...	18	11	27	25	43	124	70	156	41	303	107	188	5
3650	2386	5526	445	65	158	316	9	394	17	186	100	264	226	382	1263	787	1509	425	2862	992	2169	73

## APPENDIX TO TABLE No. V.

COMPARATIVE STATEMENT OF DEATHS REGISTERED DURING THE CALENDAR  
YEARS OF 1886-1896.

YEARS.	Total .....	January .....	February .....	March .....	April .....	May .....	June .....	July .....	August .....	September .....	October .....	November .....	December .....
1886.....	5237	519	382	479	418	435	397	437	408	394	425	452	491
1887.....	5649	522	451	445	450	475	409	470	409	427	486	534	582
1888.....	6056	650	517	488	501	504	479	519	478	425	460	562	473
1889.....	5584	517	484	479	478	456	398	443	408	453	507	479	482
1890.....	6880	798	551	600	562	551	544	600	549	460	540	545	580
1891.....	6873	612	574	603	562	530	495	580	550	465	554	548	800
1892.....	6469	700	593	579	486	530	526	580	450	468	452	540	565
1893.....	5919	567	478	529	466	514	452	489	440	468	488	525	503
1894.....	6219	607	498	565	546	490	441	480	527	494	518	522	522
1895.....	5914	547	493	609	469	426	443	539	438	463	480	496	514
1896.....	6036	493	483	528	497	538	500	505	454	466	506	463	603

TABLE No. VI.

MORTALITY IN SAN FRANCISCO FOR TWENTY-FIVE YEARS, ARRANGED  
ACCORDING TO CLASSES (MONGOLIAN).

FISCAL YEARS.	CAUSES OF DEATH.						Total .....
	Zymotic Diseases.	Constitu- tional Diseases.	Local Diseases.	Develop- mental Diseases.	Violent Deaths.	Unascer- tained Causes.	
1872-73.....	25	71	17	2	12	278	405
1873-74.....	20	99	19	12	12	303	465
1874-75.....	6	48	11	9	16	363	453
1875-76.....	28	67	13	11	22	468	609
1876-77.....	81	35	7	13	41	438	615
1877-78.....	7	33	20	23	31	407	527
1878-79.....	3	120	16	18	21	346	523
1879-80.....	10	122	54	22	35	224	467
1880-81.....	18	140	33	13	15	260	479
1881-82.....	26	149	207	27	23	95	527
1882-83.....	31	195	227	20	21	64	556
1883-84.....	31	116	201	26	17	11	502
1884-85.....	50	255	221	24	19	101	470
1885-86.....	22	18	156	15	22	229	462
1886-87.....	7	45	47	14	20	355	488
1887-88.....	27	157	206	29	18	92	529
1888-89.....	21	222	267	21	17	11	559
1889-90.....	41	208	320	24	12	2	608
1890-91.....	19	162	293	22	15	1	512
1891-92.....	19	129	240	15	18	....	421
1892-93.....	18	140	212	20	15	....	414
1893-94.....	16	159	205	23	14	....	417
1894-95.....	24	226	115	18	6	....	389
1895-96.....	27	200	195	12	11	....	445
1896-97.....	12	174	222	38	16	....	462

TABLE No. VII.

ESTIMATED POPULATION, DEATHS AND DEATH RATE OF SAN FRANCISCO  
FOR TWENTY-FIVE YEARS (MONGOLIAN).

FISCAL YEARS.	ESTIMATED POPULATION.	DEATHS.	PER CENT PER 1,000.
1872-73.....	12,000*	405	33.75
1873-74.....	14,500*	465	32.06
1874-75.....	19,000*	453	23.84
1875-76.....	30,000†	609	20.30
1876-77.....	30,000†	615	20.50
1877-78.....	30,000	527	17.56
1878-79.....	30,000	523	17.42
1879-80.....	22,000†	467	21.02
1880-81.....	22,000	479	21.77
1881-82.....	22,000†	527	23.09
1882-83.....	22,000	558	25.36
1883-84.....	22,000*	502	22.81
1884-85.....	22,000*	470	21.38
1885-86.....	22,000	462	21.05
1886-87.....	22,000*	488	22.18
1887-88.....	30,000†	529	17.63
1888-89.....	30,000*	559	18.63
1889-90.....	30,000†	608	20.06
1890-91.....	18,000*	528	28.50
1891-92.....	18,000	421	23.38
1892-93.....	18,000	414	23.00
1893-94.....	18,000	417	23.10
1894-95.....	18,000	389	21.61
1895-96.....	18,000	445	24.16
1896-97.....	18,000	462	25.66

\* Estimated.

† U. S. Census returns

TABLE No. VIII.

AGES OF DECEDENTS IN THE DIFFERENT MONTHS FOR FISCAL YEAR ENDING  
JUNE 30, 1897.

AGES.	Totals.	1896.						1897.					
		July	August	September	October	November	December	January	February	March	April	May	June
Under 1 year of age.....	1001	113	88	88	100	78	86	81	75	67	68	47	110
From 1 to 2.....	209	14	18	17	15	10	9	21	20	29	21	18	17
From 2 to 5.....	236	7	15	18	22	18	16	26	27	28	15	27	17
From 5 to 10.....	120	7	8	2	5	9	11	18	12	25	4	13	6
From 10 to 15.....	65	3	5	3	8	6	3	3	9	6	8	2	9
From 15 to 20.....	126	12	8	11	13	4	15	12	9	9	12	9	12
From 20 to 30.....	608	45	48	48	43	52	70	61	45	51	51	57	37
From 30 to 40.....	770	68	52	62	71	56	78	73	63	75	52	64	56
From 40 to 50.....	783	67	54	63	77	67	86	76	74	57	64	53	45
From 50 to 60.....	774	60	59	50	57	61	80	84	72	81	67	52	51
From 60 to 70.....	816	58	54	59	53	64	81	95	75	75	68	66	65
From 70 to 80.....	479	37	35	31	35	29	52	44	51	42	33	41	49
From 80 to 90.....	137	12	8	13	6	8	13	17	14	13	10	13	10
From 90 to 100.....	16	2	2	1	1	...	...	2	2	1	3	1	1
Over 100 years....	1	...	...	...	...	...	...	1	...	...	...	...	...
Unascertained.....	9	...	...	...	...	1	...	...	2	1	2	2	1
Totals.....	6150	505	454	466	506	463	603	613	551	560	478	465	486

TABLE No. IX.

LOCALITIES OF DEATHS FOR EACH MONTH OF FISCAL YEAR ENDING JUNE 30, 1897.

LOCALITIES.	Total	1896.						1897.					
		July	August	September	October	November	December	January	February	March	April	May	June
First Ward . . . . .	145	10	9	12	13	13	18	19	13	9	11	9	9
Second Ward . . . . .	296	27	25	25	18	14	28	21	24	28	27	21	38
Third Ward . . . . .	5	1				2			1	1			
Fourth Ward . . . . .	391	39	28	29	31	31	42	36	46	26	33	27	23
Fifth Ward . . . . .	13	2	1		1	2			1	3		2	1
Sixth Ward . . . . .	218	12	30	11	14	14	18	20	19	28	21	16	15
Seventh Ward . . . . .	107	10	14	11	6	6	11	11	8	8	9	5	8
Eighth Ward . . . . .	230	23	16	14	27	17	27	20	12	19	14	14	18
Ninth Ward . . . . .	252	16	20	19	19	24	25	19	25	26	27	13	19
Tenth Ward . . . . .	421	37	18	24	34	37	43	51	47	43	31	28	28
Eleventh Ward . . . . .	1327	102	93	101	108	94	124	140	121	119	105	109	111
Twelfth Ward . . . . .	796	58	64	54	67	75	70	87	70	83	46	63	59
Public Institutions . . . . .	1500	126	105	133	120	100	156	144	130	120	122	124	120
Violent deaths . . . . .	449	42	31	33	48	34	41	36	34	47	32	34	37
Totals . . . . .	6150	505	454	466	506	463	603	612	551	560	478	465	486

## MORTUARY STATISTICS.

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TABLE No. X.

SEX, RACE AND NATIVITIES OF DECEDENTS.

SEX, RACE AND NATIVITIES.	Total.	1896.						1897.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
SEX.													
Males .....	3769	312	272	285	320	290	356	382	321	363	286	295	287
Females.....	2381	193	182	181	186	173	247	231	230	197	192	170	199
	6150	505	454	466	506	463	603	613	551	560	478	465	486
RACE.													
White.....	5632	461	415	429	459	429	550	559	495	519	432	429	455
Mongolian..	462	42	39	33	39	31	46	44	50	38	40	30	30
African.....	56	2	....	4	8	3	7	10	6	3	6	6	1
	6150	505	454	466	506	463	603	613	551	560	478	465	486
NATIVITIES.													
Foreign .....	2883	223	202	218	236	211	303	300	270	266	240	208	206
Atlantic States..	976	76	73	74	72	78	107	96	82	80	70	89	79
Pacific Coast.....	2216	198	175	170	192	167	183	214	193	205	162	159	193
Unascertained .....	75	8	4	4	6	7	5	3	6	9	6	9	8
Totals..	6150	505	454	466	506	463	603	613	551	560	478	465	486

TABLE No. XI.

NATIVITY OF DECEDENTS DURING FISCAL YEAR ENDING JUNE 30, 1897.

PACIFIC COAST.													
NATIVITIES	Totals.....	1896.						1897.					
		July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....
Alaska.....	2	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....
California.....	2167	197	169	169	187	161	184	206	192	200	156	156	190
Nevada.....	17	.....	2	1	2	2	2	1	.....	3	1	2	1
Oregon.....	20	.....	2	..	1	2	2	7	1	1	2	.....	1
Washington.....	10	1	2	.....	1	1	.....	.....	.....	1	2	1	1
Total.....	2216	198	175	170	192	167	188	214	193	205	162	159	193

## OTHER STATES.

Alabama.....	6			1				2	1	1		1	
Carolina (North and South).....	9	2		3					2	1		1	
Connecticut.....	19	2	3		2	2	3	1	2	2	1	1	
Colorado.....	3				2							1	
Delaware.....	2				1		1						
Georgia.....	4				1	1		1				1	
Indiana.....	18	3		3		3		2	1	2		3	1
Illinois.....	31	3	2		4	1	7	2	1	2	2	5	2
Iowa.....	18			2		5	1		3		3	3	1
Idaho.....	1				1								
Kentucky.....	12		1	1	1		4		3				2
Kansas.....	3			2					1				
Louisiana.....	20	5	1	1		1	4	3	1	8			1
Missouri.....	40	1	4	3	4	4	1	3	5	6	2	3	4
Minnesota.....	6	1	1					1		1			
Massachusetts.....	141	16	12	13	12	10	17	15	8	6	8	10	14
Maine.....	68	7	4	2	9	6	11	7	4	6	1	4	7
Michigan.....	28	3	1	3	2	1	2	5		3	3	2	3



TABLE No. XI—CONTINUED.

NATIVITY OF DECEDENTS DURING FISCAL YEAR ENDING JUNE 30, 1897.

OTHER STATES—CONTINUED.													
NATIVITIES.	Total.....	1896.						1897.					
		July.....	August.....	September...	October.....	November...	December...	January.....	February....	March.....	April.....	May.....	June.....
Maryland.....	18	...	3	...	...	1	4	3	1	1	3	1	1
Montana.....	2	...	...	...	...	...	1	...	1	...	...	...	...
Mississippi.....	2	...	...	...	...	...	...	...	...	...	1	...	1
New York.....	263	17	21	21	10	25	26	30	25	26	18	26	23
New Hampshire..	14	1	1	..	..	2	1	2	2	4	...	1	...
New Jersey.....	16	2	1	3	1	2	...	2	...	1	...	3	1
Nebraska.....	4	...	...	...	1	...	...	...	1	...	2	...	...
Ohio.....	68	5	7	5	2	1	12	8	3	5	5	9	6
Pennsylvania.....	70	3	6	5	6	6	2	5	9	4	13	7	4
Rhode Island.....	11	...	...	...	1	2	1	...	1	2	2	...	2
Tennessee.....	4	...	...	1	...	...	2	...	1	...	...	...	...
Texas.....	3	...	1	1	...	...	...	1	...	...	...	...	...
Utah.....	2	...	...	1	1	...	...	...	...	...	...	...	...
Vermont.....	20	2	1	2	2	3	2	...	...	...	2	4	2
Virginia.....	28	...	3	1	3	1	3	3	5	2	1	3	3
Wisconsin.....	16	2	...	...	4	1	2	...	1	2	3	...	1
Washington, D. C.....	1	1	..	...	...	...	...	...	...	...	...	...	...
Total.....	976	76	73	74	72	78	107	96	82	80	70	89	79

## FOREIGN.

Azores.....	2	2	...	...	...	...	...	...	...	...	...	...	...
Austria.....	38	1	4	4	3	5	6	3	2	3	3	4	...
Australia.....	15	3	...	3	1	3	1	1	...	...	1	2	...
Belgium.....	18	1	3	2	1	2	1	2	2	1	2	1	...
China.....	400	37	31	28	38	30	40	34	43	32	37	25	25
Canada.....	111	6	7	7	10	8	15	15	7	13	8	6	9

TABLE NO. XI—CONTINUED.

NATIVITY OF DECEDENTS DURING FISCAL YEAR ENDING JUNE 30, 1897.

NATIVITIES.	Total	1896.						1897.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chile.....	10	2	1	1	.....	.....	1	1	.....	.....	1	.....	3
Central America.....	4	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Denmark.....	32	3	.....	1	3	1	5	5	3	4	3	1	3
England.....	305	19	15	12	28	20	35	41	27	33	20	25	31
France.....	119	10	7	14	7	9	16	13	5	13	8	12	5
Germany.....	516	40	36	36	40	42	53	58	50	50	37	40	34
Greece.....	6	.....	1	1	.....	.....	1	1	1	.....	1	.....	.....
Guatemala.....	2	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....
Hawaii.....	4	1	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....
Italy.....	106	9	6	11	10	6	9	9	4	12	14	8	8
Ireland.....	905	70	65	77	71	63	88	83	98	77	80	65	68
India.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Japan.....	22	.....	6	1	.....	1	3	5	1	1	.....	3	1
Mexico.....	45	3	6	1	3	4	4	5	5	4	2	2	6
Mauritius.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Malta.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Norway.....	34	.....	2	4	2	1	3	7	4	4	2	2	3
Portugal.....	21	2	.....	1	2	2	2	4	1	1	4	1	1
Peru.....	2	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
Russia.....	37	4	3	1	1	3	3	4	5	5	4	2	2
Spain.....	5	1	.....	.....	.....	1	.....	1	2	.....	.....	.....	.....
Sweden.....	63	4	3	6	10	1	11	6	1	5	7	6	3
Switzerland.....	50	4	6	1	1	7	6	3	5	5	5	3	4
West Indies.....	8	1	.....	1	1	1	.....	.....	3	1	.....	.....	.....
Total.....	2883	223	202	218	236	211	303	300	270	266	240	208	206

TABLE No. XI—CONCLUDED.

NATIVITY OF DECEDENTS DURING FISCAL YEAR ENDING JUNE 30, 1897.

UNASCERTAINED.													
NATIVITIES.	Total.....	1896.						1897.					
		July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....
Unascertained.....	75	8	4	4	6	7	5	3	6	9	6	9	5

## RECAPITULATION.

Pacific Coast.....	2216	198	175	170	192	167	188	214	193	205	162	159	193
Other States.....	976	76	73	74	72	78	107	93	82	89	70	89	79
Foreign.....	2883	223	202	218	236	211	303	300	270	266	240	308	206
Unascertained.....	75	8	4	4	6	7	5	3	6	9	6	9	5
Totals.....	6150	505	454	466	506	463	603	613	551	560	478	465	486

TABLE No. XII.

MONTHLY DISTRIBUTION OF DEATHS FROM ZYMOTIC DISEASES FOR FISCAL YEAR  
ENDING JUNE 30, 1897.

CAUSES OF DEATH.	Total	1896.						1897.					
		July	August	September	October	November	December	January	February	March	April	May	June
Alcoholism.....	23	1	....	1	2	4	....	1	4	1	5	3	1
Anæmia.....	18	4	1	....	....	3	1	2	3	....	3	....	1
Cholera Infantum.....	68	8	12	13	16	5	3	1	1	....	1	3	11
Croup.....	43	3	4	....	4	4	2	3	6	7	6	4	....
Cerebro-spinal Meningitis....	19	2	1	1	....	3	....	4	3	2	1	2	....
Diarrhœa.....	17	2	....	1	2	2	1	1	1	1	2	1	3
Diphtheria.....	66	2	5	1	6	3	11	8	3	12	4	5	6
Erysipelas.....	13	....	1	....	....	1	2	2	1	1	1	....	4
Fever, Typhoid.....	75	....	8	7	10	7	9	13	2	7	5	3	4
Fever, Malarial.....	10	....	....	4	....	....	2	1	1	....	1	1	....
Influenza.....	9	....	....	....	....	....	....	2	6	....	....	1	....
Measles.....	13	....	....	....	....	1	....	4	6	1	1	....	....
Morphinism.....	11	1	1	1	....	1	....	....	2	....	2	2	1
Pertussis.....	21	5	4	2	2	....	1	2	....	2	1	....	2
Scarlatina.....	6	....	....	....	1	....	....	2	....	1	1	....	1
Syphilis.....	5	....	....	....	1	2	1	....	....	....	1	....	....
Septicæmia.....	52	6	2	2	2	4	5	2	8	4	7	6	1
Totals.....	469	34	39	33	40	40	38	48	47	39	42	31	38

TABLE No. XIII.

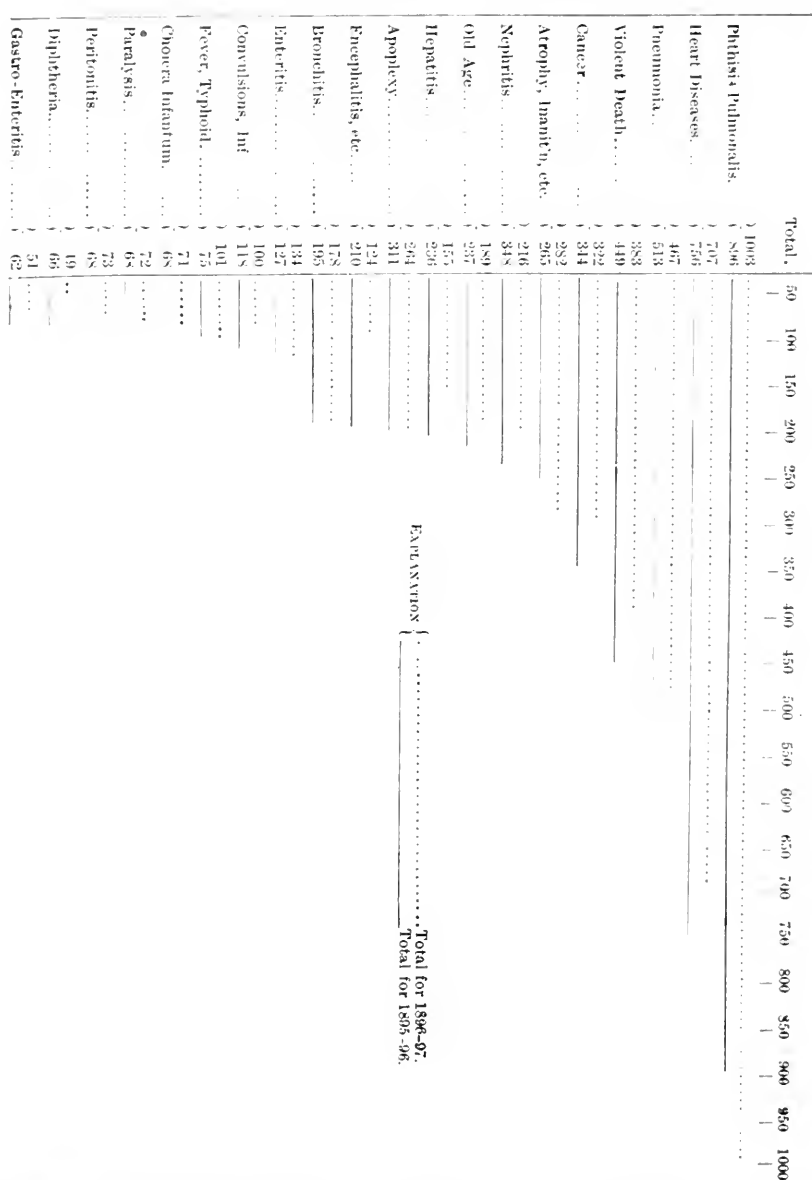
TWENTY OF THE PRINCIPAL CAUSES OF DEATH FOR THE FISCAL YEAR  
ENDING JUNE 30, 1897.

CAUSES.	Total.....	1896.						1897.					
		July.....	August....	September.	October...	November	December.	January...	February...	March.....	April.....	May.....	June.....
Apoplexy .....	211	15	15	21	17	15	23	27	16	21	8	14	19
Atrophy, Inanition, etc.....	265	25	21	23	28	20	23	26	19	24	19	10	27
Bronchitis.....	195	18	9	16	6	14	18	21	21	12	19	22	11
Cholera Infantum.....	68	8	12	13	10	5	3	1	1	....	1	3	11
Cancer.....	344	28	28	17	30	32	41	35	26	30	25	22	20
Convulsions, Infantile.....	118	10	9	9	15	7	6	13	11	8	10	6	14
Diphtheria .....	66	2	5	1	6	3	11	8	3	12	4	5	6
Encephalitis, etc.....	210	13	15	15	18	17	20	17	25	17	11	14	28
Enteritis.....	127	15	8	12	13	7	10	10	13	4	11	7	17
Fever, Typhoid.....	75	....	8	7	10	7	9	13	2	7	5	3	4
Gastro-Enteritis.....	62	7	5	9	3	3	2	...	3	9	4	4	13
Heart Diseases.....	756	55	48	55	53	55	74	72	72	76	65	59	72
Hepatitis.....	236	14	21	23	30	19	26	16	20	22	22	13	10
Nephritis.....	248	26	20	21	19	21	22	26	12	24	13	15	29
Old Age.....	237	26	16	18	10	13	23	34	23	21	17	20	22
Phthisis Pulmonalis.....	896	72	67	93	75	63	88	87	81	83	65	83	42
Paralysis.....	68	6	5	2	1	3	11	3	5	8	9	7	5
Pneumonia.....	513	39	35	23	36	41	55	67	57	48	43	36	33
Peritonitis.....	68	4	8	4	2	7	6	5	5	5	3	15	4
Violent Deaths.....	449	42	31	33	48	34	41	36	34	47	32	34	73

## HEALTH OFFICER'S REPORT.

TABLE No. XIV.

DIAGRAM SHOWING TWENTY PRINCIPAL CAUSES OF DEATH.



## MORTUARY STATISTICS.

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TABLE No. XV.

MONTHLY DISTRIBUTION OF DEATHS FOR FISCAL YEAR ENDING JUNE 30, 1897.

WARDS, PUBLIC INSTITUTIONS AND VIOLENT DEATHS.	Total	1896.						1897.					
		July	August	September	October	November	December	January	February	March	April	May	June
City Wards .....	4201	337	318	300	338	329	406	433	387	393	324	307	329
City and County Hospital .....	472	36	30	41	32	28	54	52	38	40	36	49	37
City and County Almshouse .....	114	14	5	12	7	5	20	9	11	11	5	8	7
City Receiving Hospital .....	39	4	2	4	4	5	1	6	2	1	3	5	2
Children's Hospital .....	48	1	4	1	3	5	7	3	4	5	10	3	2
German Hospital .....	84	5	5	12	12	5	5	10	6	10	5	6	3
French Hospital .....	79	8	8	8	2	7	7	5	5	6	11	8	4
Homeopathic Hospital .....	3	2									1		
Lane Hospital .....	48	5	5		6	3	3	6	5	5	5	3	2
Mt. St. Joseph's Infant Asylum .....	264	27	23	27	26	19	22	19	23	15	16	18	20
Waldeck Hospital .....	19	1		1	2	2		3	3	1	3	2	
Kings' Daughters' Home .....	5	1	1		1				2				
St. Joseph's Home .....	26	3	1	2	1	2	5	2	4	2			4
U. S. Marine Hospital .....	43	2	4	3	6	3	4	6	3	5	4	2	1
St. Luke's Hospital .....	91	6	5	6	7	7	12	7	9	7	10	6	9
St. Mary's Hospital .....	112	11	7	9	9	4	13	12	12	5	10	7	13
Old People's Home .....	8		1	1		1			1			2	2
Maria Kip Orphanage .....	2		1										1
California Woman's Hospital .....	7		1		1	1			1	1	1	1	
St. Mark's Hospital .....	4		1					2		1			
St. Zita's Home .....	1		1										
McLean Hospital .....	11			2		2	2			2	1		2
Pacific Hebrew Home .....	1			1									
Academy Sacred Heart .....	1			1									
Carried forward .....	5684	463	423	431	451	428	561	575	517	510	445	465	447

TABLE No. XV—CONTINUED.

MONTHLY DISTRIBUTION OF DEATHS FOR FISCAL YEAR ENDING JUNE 30, 1897.

WARDS, PUBLIC INSTITUTIONS AND VIOLENT DEATHS.	Total.	1896.						1897.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Brought forward .....	5684	463	423	431	451	428	561	575	517	510	445	427	447
Girls' Directory .....	6			1		1	1	1			1	1	
Convent Immaculate Conception .....	1			1									
Police Station.....	1				1								
Rom. Catholic Orphan Asylum.....	3							1		1			1
Mt. Zion Hospital.....	2									1		1	
Protestant Orphan Asylum.....	1									1			
Twenty-sixth Street Hospital .....	1											1	
County Jail.....	1											1	
Magdalen Asylum .....	1												1
Violent deaths.....	449	42	31	33	48	34	41	36	34	47	32	34	37
<b>Totals.....</b>	<b>6150</b>	<b>505</b>	<b>454</b>	<b>466</b>	<b>506</b>	<b>463</b>	<b>603</b>	<b>613</b>	<b>551</b>	<b>560</b>	<b>478</b>	<b>465</b>	<b>486</b>

TABLE No. XVI.

COMPARATIVE TABLE SHOWING DEATHS FROM DIPHTHERIA, SCARLATINA AND TYPHOID FEVER FOR FIVE YEARS.

DISEASES.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.
Diphtheria.....	153	38	21	19	66
Scarlatina.....	111	14	2	6	6
Typhoid fever.....	106	114	124	161	75



## APPENDIX TO TABLE No. XVI.

STATEMENT SHOWING CASES REPORTED AND DEATHS FROM DIPHTHERIA  
AND SCARLATINA.

DISEASES.	Total.	1896.						1897.					
		July	August	September	October	November	December	January	February	March	April	May	June
Diphtheria (cases reported) ..	312	10	22	11	39	43	60	24	13	30	32	17	11
Diphtheria (deaths) .....	66	2	5	1	6	3	11	8	3	12	4	5	6
Scarlatina (cases reported) ..	169	5	10	4	16	12	33	22	9	14	21	13	10
Scarlatina (deaths) .....	6	.....	.....	.....	1	.....	.....	2	.....	1	1	.....	1

## DIAGRAM OF CASES AND DEATHS.

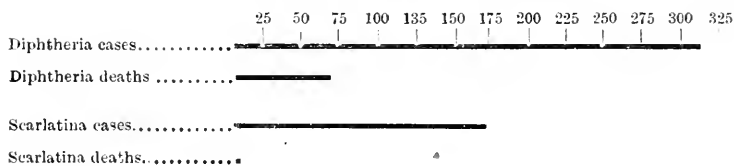


TABLE No. XVII.

MONTHLY COMPARATIVE STATEMENT OF MORTALITY FROM PHTHISIS PULMONALIS FOR THREE FISCAL YEARS.\*

MONTHS.	1894.	1895.	1896.	MONTHS.	1895.	1896.	1897.
July.....	79	117	72	January.....	105	97	87
August.....	80	65	67	February.....	96	103	81
September.....	91	68	90	March.....	169	87	83
October.....	99	73	75	April.....	81	74	65
November.....	92	92	63	May.....	84	83	83
December.....	90	76	88	June.....	83	66	42
Total.....					1,089	1,003	894

\*Total decrease of 1895-96 over 1894-1895, 184. Total decrease of 1896-97 over 1895-96, 107.

TABLE No. XVII—CONCLUDED.

COMPARATIVE STATEMENT SHOWING TOTAL NUMBER OF DEATHS FROM  
PHTHISIS PULMONALIS FOR A PERIOD OF THIRTY YEARS.

FISCAL YEAR.	POPULA- TION.	DEATH RATE.	FISCAL YEAR.	POPULA- TION.	DEATH RATE.
1867-68.....		324	1882-83.....	250,000	863
1868-69.....		441	1883-84.....	270,000	907
1869-70.....	170,250	444	1884-85.....	270,000	719
1870-71.....	172,750	518	1885-86.....	280,000	755
1871-72.....	178,276	512	1886-87.....	300,000	772
1872-73.....	188,323	514	1887-88.....	330,000	905
1873-74.....	200,770	469	1888-89.....	330,000	930
1874-75.....	230,132	515	1889-90.....	330,000	1042
1875-76.....	272,345	598	1890-91.....	330,000	959
1876-77.....	300,000	591	1891-92.....	330,000	975
1877-78.....	300,000	640	1892-93.....	330,000	881
1878-79.....	305,000	563	1893-94.....	330,000	945
1879-80.....	234,520	559	1894-95.....	330,000	1,080
1880-81.....	234,520	551	1895-96.....	330,000	1,003
1881-82.....	234,520	590	1896-97.....	360,000	896

TABLE No.

## COMPARATIVE STATEMENT OF DEATHS FROM PRE-

DISEASES.	1887-88.					1888-89.					1889-90.					1890-91.				
	Under 1	1 to 2	2 to 5	5 to 10	Total	Under 1	1 to 2	2 to 5	5 to 10	Total	Under 1	1 to 2	2 to 5	5 to 10	Total	Under 1	1 to 2	2 to 5	5 to 10	Total
Diphtheria .....	5	25	59	45	171	6	9	32	32	105	3	11	45	28	105	9	30	127	111	371
Measles .....	17	13	7	3	40	1	2	1	...	4	15	8	6	1	31	1	1	...	...	2
Pertussis .....	9	5	2	1	17	24	8	3	...	36	10	5	4	...	22	12	5	1	...	18
Scarlatina .....	3	2	6	16	28	...	3	4	5	12	1	2	10	5	21	...	1	2	6	10
Smallpox .....	3	1	3	3	67	...	1	1	9	11	...	...	...	...	...	2	...	...	...	4
Typhoid fever .....	3	18	13	119	153	2	4	9	123	138	1	...	5	12	132	1	...	8	13	139

## XVIII.

## VENTABLE DISEASES FOR THE PAST TEN YEARS.

1891-92.					1892-93.					1893-94.					1894-95.					1895-96.					1896-97.								
Under 1	1 to 2	2 to 5	5 to 10	Over 10	Total	Under 1	1 to 2	2 to 5	5 to 10	Over 10	Total	Under 1	1 to 2	2 to 5	5 to 10	Over 10	Total	Under 1	1 to 2	2 to 5	5 to 10	Over 10	Total	Under 1	1 to 2	2 to 5	5 to 10	Over 10	Total				
5	14	103	75	32	229	5	25	55	54	14	153	2	8	17	8	3	38	1	7	9	4	21	1	9	5	4	19	5	4	33	19	5	66
14	11	7	3	...	35	1	...	...	1	2	...	1	...	...	1	3	2	1	...	7	...	...	...	...	2	2	5	4	...	13			
14	4	2	...	...	22	9	3	2	...	14	20	11	5	1	1	38	6	3	1	...	10	8	5	1	1	15	12	8	1	...	21		
2	4	17	14	8	45	4	12	47	39	9	111	2	2	5	2	3	14	1	1	...	2	2	1	3	...	6	...	2	4	...	6		
...	...	...	...	...	...	...	...	...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
2	4	3	107	116	5	1	5	4	91	106	3	2	11	98	114	1	8	6	109	124	1	3	8	89	101	...	2	6	67	75			

TABLE No. XIX.

COMPARATIVE STATEMENT SHOWING ALL CAUSES, DEATHS OF CHILDREN UNDER TEN, AND RATE PER ONE THOUSAND PER YEAR FOR THE PAST SEVEN YEARS.

	1890-91.	1891-92.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.
All Causes.....	6,650	6,911	6,061	6,060	6,059	5,963	6,150
Death Rate per 1,000 per year.	20.15	20.91	18.36	18.86	18.36	18.07	17.98
Under 1 year.....	1,263	1,278	1,077	1,118	1,121	997	1,001
From 1 to 2 years.....	269	282	212	195	193	158	209
From 2 to 5 years.....	334	367	297	199	168	156	236
From 5 to 10 years.....	269	206	199	113	97	94	120
Total deaths, ages 1 to 10.....	2,126	2,133	1,785	1,625	1,579	1,405	1,666

COMPARATIVE TABLE OF MORTALITY OF CHILDREN UNDER ONE YEAR OF AGE.

Fiscal Year.	SCALE.					Total Deaths.	Deaths Yearly.
	250	500	750	1,000	1,250		
189-91.						1,263	6,650
1891-92.						1,278	6,911
1892-93.						1,077	6,061
1893-94.						1,118	6,060
1894-95.						1,121	6,059
1895-96.						997	5,963
1896-97.						1,001	6,150

TABLE No. XX.

## SOCIAL CONDITION OF DECEDENTS.

CONDITION.	Totals.	1896.						1897.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Married .....	2,076	156	143	166	160	162	232	219	177	192	157	149	163
Single.....	3,220	285	251	276	287	236	280	317	279	295	236	241	257
Widowers .....	328	27	26	15	21	26	28	24	51	29	28	26	26
Widows .....	383	37	29	22	24	28	46	42	27	30	40	29	26
Unascertained.....	146		5	6	11	11	17	11	17	14	17	20	14
	8,150	505	454	466	506	463	603	611	551	560	478	465	486

TABLE No. XXI.

## STATEMENT OF FREE VACCINATIONS.

Totals.	Total.	1896.						1897.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Totals.....	8517	1054	1612	801	791	393	273	1692	350	462	411	465	305

TABLE No. XXII.

BIRTHS, MARRIAGES, DEATHS AND POPULATION FOR THE LAST TWENTY-FIVE YEARS.

YEARS.	Births Registered.	Marriages Registered.	Deaths Registered.	Population.
1871-72 .....	511	1,889	2,998	178,276
1872-73 .....	529	2,005	3,641	188,323
1873-74 .....	580	2,082	4,014	200,770
1874-75 .....	563	2,263	4,163	230,132
1875-76 .....	630	2,464	4,791	272,345
1876-77 .....	811	2,488	6,120	303,000
1877-78 .....	1,056	2,355	4,977	300,000
1878-79 .....	1,591	2,240	4,493	305,000
1879-80 .....	1,340	2,183	4,340	233,700
1880-81 .....	1,289	2,392	4,287	234,520
1881-82 .....	2,227	2,605	5,008	231,520
1882-83 .....	1,667	2,687	4,986	250,000
1883-84 .....	1,891	2,759	5,000	270,000
1884-85 .....	1,278	2,804	5,288	270,000
1885-86 .....	1,504	2,651	5,322	280,000
1886-87 .....	1,346	2,977	5,359	300,000
1887-88 .....	1,780	3,172	6,036	330,000
1888-89 .....	1,631	3,605	5,729	330,000
1889-90 .....	2,235	3,421	6,378	330,000
1890-91 .....	2,903	3,236	6,650	330,000
1891-92 .....	4,088	3,598	6,911	330,000
1892-93 .....	3,889	5,413	6,061	330,000
1893-94 .....	3,894	3,200	6,669	330,000
1894-95 .....	3,755	3,230	6,059	330,000
1895-96 .....	5,020	3,164	5,966	330,000
1896-97 .....	5,159	3,126	6,150	360,000



TABLE XXIII.

REPORT OF BIRTHS FOR FISCAL YEAR ENDING JUNE 30, 1897.

MONTH.	Total.	Twins.	RACES.				Male.	Female.	NATIVITY OF PARENTS.							
			Caucasian.	Ethiopian.	Mongolian.				United States.	Germany.	Italy.	Ireland.	Other Foreigners.	Mixed Nationalities.	Unascertained.	
1896—July.....	406	2	399	0	7		212	194	161	32	9	26	50	126	2	
August.....	462	2	454	0	8		232	230	143	40	24	33	58	162	2	
September.....	461	3	397	2	2		212	189	159	18	10	27	31	141	15	
October.....	410	3	402	0	8		234	176	127	42	11	21	71	133	5	
November.....	362	0	362	0	0		186	176	137	31	15	32	33	112	2	
December.....	410	2	405	0	5		216	194	153	29	21	29	50	120	8	
1897—January.....	501	0	498	0	3		248	253	182	41	17	28	56	164	13	
February.....	484	2	477	1	6		274	210	159	34	24	25	48	171	23	
March.....	424	3	416	2	6		215	209	135	28	13	22	46	165	15	
April.....	386	2	382	0	4		188	188	156	39	14	23	21	126	2	
May.....	467	2	462	1	4		251	246	180	38	17	32	57	162	11	
June.....	416	3	413	0	3		205	211	145	42	13	20	58	135	2	
Totals.....	5159	24	5097	6	56		2673	2486	1837	414	188	323	597	1717	100	

## HEALTH OFFICER'S REPORT.

TABLE No. XXIV.

STATEMENT OF MARRIAGES, BIRTHS AND DEATHS FOR FISCAL YEARS  
1891-92, 1892-93, 1893-94, 1894-95, 1895-96, 1896-97.

1891			1892			1893			1894		
MONTHS.	Marrriages . . . . .	Births registered	Deaths registered	MONTHS.	Marrriages . . . . .	Births registered	Deaths registered	MONTHS.	Marrriages . . . . .	Births registered	Deaths registered
July . . . . .	251	288	580	January . . . . .	288	142	700	January . . . . .	301	307	607
August . . . . .	268	268	550	February . . . . .	297	303	593	February . . . . .	206	270	498
September . . . . .	309	283	465	March . . . . .	231	475	579	March . . . . .	250	305	565
October . . . . .	345	230	554	April . . . . .	301	427	486	April . . . . .	279	400	546
November . . . . .	355	511	548	May . . . . .	279	417	539	May . . . . .	214	345	490
December . . . . .	324	361	800	June . . . . .	350	383	526	June . . . . .	312	337	441
				Total . . . . .	3598	4088	6911	Total . . . . .	3200	3894	6060
July . . . . .	269	333	580	January . . . . .	338	333	567				
August . . . . .	269	391	450	February . . . . .	245	284	478				
September . . . . .	287	318	468	March . . . . .	189	298	529				
October . . . . .	298	338	452	April . . . . .	336	318	466				
November . . . . .	315	314	540	May . . . . .	244	312	514				
December . . . . .	316	298	565	June . . . . .	367	352	452				
				Total . . . . .	3413	3889	6061				
July . . . . .	267	333	489	January . . . . .	301	307	607				
August . . . . .	282	284	440	February . . . . .	206	270	498				
September . . . . .	252	258	468	March . . . . .	250	305	565				
October . . . . .	278	373	488	April . . . . .	279	400	546				
November . . . . .	274	362	525	May . . . . .	214	345	490				
December . . . . .	285	320	503	June . . . . .	312	337	441				
				Total . . . . .	3200	3894	6060				

TABLE No. XXIV—CONCLUDED.

MONTHS.	Marrriages .....	Births registered.	Deaths registered.	MONTHS.	Marrriages .....	Births registered.	
1894—July.....	237	311	489	1895—January.....	257	339	547
August.....	267	361	527	February.....	269	346	493
September.....	291	381	494	March.....	227	271	609
October.....	304	344	518	April.....	273	280	469
November.....	283	288	522	May.....	237	261	426
December.....	306	279	522	June.....	279	294	443
				Total.....	3230	3755	6059
1895—July.....	239	272	539	1896—January.....	239	513	493
August.....	259	349	458	February.....	280	409	483
September.....	213	411	460	March.....	216	474	528
October.....	323	436	480	April.....	261	454	497
November.....	300	355	496	May.....	186	478	538
December.....	272	359	514	June.....	313	507	500
				Total.....	3164	5020	5963
1896—July.....	252	406	505	1897—January.....	259	501	613
August.....	257	462	454	February.....	254	484	551
September.....	257	401	466	March.....	516	424	500
October.....	311	410	506	April.....	277	386	478
November.....	288	362	463	May.....	185	497	465
December.....	278	410	603	June.....	292	416	486
				Total.....	3126	5159	6150

TABLE No. XXV.

COMPARATIVE STATEMENT SHOWING TOTAL NUMBER OF BIRTHS FILED  
FROM 1889 TO 1897.

Fiscal Year.	1000	2000	3000	4000	5000	6000	Total No.
1889-90.							2235
1890-91.							2903
1891-92.							2147
1892-93.							3889
1893-94.							3894
1894-95.							3755
1895-96.							5020
1896-97.							5159

TABLE No. XXVI.

INTERMENTS FOR FISCAL YEAR ENDING JUNE 30, 1897.

CEMETERIES.	Totals	1896.						1897.					
		July	August	September	October	November	December	January	February	March	April	May	June
City Cemetery.....	1310	109	97	93	123	162	138	118	111	106	111	107	95
Laurel Hill Cemetery.....	681	42	41	47	41	45	69	79	51	69	63	77	57
Calvary Cemetery.....	1024	88	77	81	92	82	83	81	106	93	74	77	90
Odd Fellows' Cemetery.....	1107	91	84	85	89	101	95	114	110	106	72	82	78
Masonic Cemetery.....	353	35	36	15	28	27	33	40	26	36	20	27	30
U. S. Marine Hosp'l Cemetery.	32	1	3	3	5	1	4	4	3	4	2	2	....
National Cemetery.....	39	2	3	2	1	5	5	5	3	4	2	2	5
Holy Cross Cemetery.....	1241	104	88	106	97	83	131	115	115	102	104	87	109
Mount Olivet Cemetery.....	21	1	2	1	1	1	2	1	2	5	3	1	1
Cypress Lawn Cemetery.....	438	39	30	26	43	32	44	46	35	36	31	37	39
Salem Cemetery.....	59	9	3	4	3	5	5	5	2	10	7	3	3
Home of Peace Cemetery.....	85	5	9	4	5	8	7	9	9	5	4	9	11
Hills of Eternity Cemetery....	78	4	7	7	3	8	4	7	8	9	5	9	7
St. Michael's.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Country.....	486	38	33	38	42	38	51	42	40	41	41	29	33
Colleges.....	97	11	4	14	5	3	9	17	8	8	9	4	5
Totals ....	7032	579	517	526	578	541	603	683	629	634	548	553	564

TABLE No. XXVII.

DISINTERMENT PERMITS ISSUED DURING THE FISCAL YEAR ENDING JUNE 30, 1897.

CEMETERIES.	Totals.....	1896.						1897.					
		July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....
Calvary Cemetery.....	151	24	11	18	5	10	7	13	8	13	9	10	23
City Cemetery—White.....	79	6	3	3	3	2	1	3	1	6	4	3	4
City Cemetery—Chinese.....	148	1	2	9	45	7	2	2	3	19	50	1	7
Laurel Hill Cemetery—White..	49	1	1	5	1	5	7	6	4	1	2	4	3
Laurel Hill Cemetery—Chinese	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Masonic Cemetery.....	35	1	2	3	5	3	1	7	1	4	2	3	3
Old Fellows' Cemetery.....	55	1	6	4	9	1	4	6	2	4	6	9	3
Home of Peace Cemetery.....	8	5	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mission Dolores Cemetery.....	8	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Totals.....	485	49	29	43	68	28	22	37	19	47	73	30	49

TABLE No. XXVIII.

DISINTERMENT ACCOUNT—RECEIPTS AND EXPENSES DURING FISCAL YEAR  
ENDING JUNE 30, 1897.

DATE.	FOR WHAT PURPOSE.	DR.	CR.
1896.			
July.....	Receipts.....	\$10 00	
	Inspectors' salaries.....		\$200 00
August.....	Receipts.....	20 00	
	Inspectors' salaries.....		200 00
September.....	Receipts.....	120 00	
	Inspectors' salaries.....		200 00
October.....	Receipts.....	470 00	
	Inspectors' salaries.....		200 00
November.....	Receipts.....	100 00	
	Inspectors' salaries.....		200 00
December.....	Receipts.....	20 00	
	inspectors' salaries.....		200 00
1897.			
January.....	Receipts.....	40 00	
	Inspectors' salaries.....		200 00
February.....	Receipts.....	40 00	
	Inspectors' salaries.....		200 00
March.....	Receipts.....	200 00	
	Inspectors' salaries.....		200 00
April.....	Receipts.....	520 00	
	Inspectors' salaries.....		200 00
May.....	Receipts.....	10 00	
	Inspectors' salaries.....		200 00
June.....	Receipts.....	80 00	
	Inspectors' salaries.....		200 00
		\$1,630 00	\$2,400 00

TABLE

METEOROLOGICAL OBSERVATIONS TAKEN AT THE U. S. WEATHER BUREAU

MONTHS.	*BAROMETER.			TEMPERATURE.			
	Highest.	Lowest.	Monthly Average.	Maxi- mum.	Mini- mum.	Monthly Average.	Average Dew Point.
1896.							
July.....	30.121	29.721	29.949	72	50	59.4	52.8
August.....	30.146	29.916	30.006	72	52	59.5	54.2
September.....	30.133	29.584	29.935	81	52	59.6	52.6
October.....	30.243	29.560	29.971	85	47	58.8	50.4
November.....	*30.349	29.714	30.093	66	33	53.4	45.6
December.....	30.426	29.684	30.142	64	42	52.8	47.2
1897.							
January.....	30.376	29.555	30.099	60	40	48.6	43.7
February.....	30.401	29.442	30.089	66	38	50.7	43.8
March.....	30.390	29.652	30.083	63	39	48.9	39.8
April.....	30.340	29.881	30.098	84	45	57.4	46.6
May.....	30.257	29.777	29.984	83	47	57.4	49.1
June.....	30.130	29.802	29.956	83	48	58.9	51.0
Sums.....	363.332	376.288	360.405	834	38	667.4	576.8
Means.....	30.277	29.691	30.034	73.7	44.8	55.4	48.1

\*Barometer corrected for temperature, and elevation above sea level (153 feet).



# METEOROLOGICAL REPORT.

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No. XXIX.

OFFICE, SAN FRANCISCO, CAL., DURING THE YEAR ENDING JUNE 30, 1897.

RELATIVE HUMIDITY—PER CENT.			WINDS.			CLOUDINESS.	RAIN.
Highest.	Lowest.	Monthly Average.	Prevailing Direction.	Maximum Hourly Vel., Miles	Average Hourly Vel., Miles	Monthly Average.	Inches.
100	61	85.0	W.	38	14.1	3.3	0.04
100	58	86.8	W.	36	13.9	4.5	0.09
100	57	83.6	W.	33	10.9	4.4	0.52
100	19	82.2	W.	35	9.6	3.4	1.55
100	43	79.0	W.	33	7.9	4.9	4.56
100	62	83.6	N.	36	7.7	6.2	4.34
100	56	84.5	N.	37	6.8	6.0	2.26
100	48	79.2	W.	37	9.4	5.7	4.41
100	48	74.0	W.	36	11.3	4.6	4.56
100	27	74.6	W.	35	11.3	3.0	0.27
100	40	80.0	W.	45	13.5	4.1	0.61
100	43	81.6	W.	39	13.6	3.7	0.22
1,200	562	974.1		440	1300	53.8	23.43
100	46.8	81.2	W.	36.7	10.8	4.5	1.95

United States Weather Bureau, San Francisco, Cal.

Kindly furnished by W. H. HAMMON, Forecast Official, in Charge.

## HEALTH OFFICER'S REPORT.

TABLE No. XXX.

SALARIES PAID BY HEALTH DEPARTMENT DURING FISCAL YEAR ENDING JUNE 30, 1897.

To Whom Paid.	1896.						1897.					
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Health Office .....	\$45,351 14	\$2,130 00	\$2,130 00	\$2,130 00	\$3,203 98	\$3,532 20	\$4,254 96	\$4,375 00	\$4,387 50	\$4,000 00	\$4,750 00	\$4,075 00
City Physician and Police Surgeon .....	3,000 00	250 00	250 00	250 00	250 00	250 00	250 00	250 00	250 00	250 00	250 00	250 00
Superintendent City Cemetery .....	900 00	75 00	75 00	75 00	75 00	75 00	75 00	75 00	75 00	75 00	75 00	75 00
City and County Hospital .....	31,287 50	2,567 50	2,582 50	2,597 50	2,555 00	2,522 50	2,527 50	2,635 05	2,655 25	2,684 15	2,678 30	2,684 15
Quarantine Department .....	7,485 26	642 42	729 28	575 00	672 47	589 52	623 67	631 90	564 47	620 48	591 25	642 95
Salaries and Expenses .....	2,500 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00
Twenty-sixth St. Hospital .....	2,400 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00	200 00
Disinfecting Inspectors .....	7,230 00	500 00	500 00	500 00	500 00	500 00	500 00	500 00	500 00	500 00	500 00	500 00
City Receiving Hospital .....	18,669 38	1,408 88	1,409 90	1,457 00	1,578 15	1,577 00	1,577 00	1,572 00	1,632 50	1,596 50	1,597 00	1,597 00
City and County Almshouse .....												
Total .....	\$118,726 28	\$8,423 80	\$8,226 68	\$9,208 48	\$9,652 93	\$10,258 98	\$10,418 17	\$10,792 22	\$10,792 22	\$10,991 13	\$10,936 55	\$11,261 60

# SECRETARY'S REPORT.

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TABLE No. XXXI.

SECRETARY'S REPORT OF THE EXPENSES OF THE HEALTH OFFICE FOR THE FISCAL YEAR ENDING JUNE 30, 1897.

	1896.												1897.				
	July	August	September	October	November	December	January	February	March	April	May	June					
Total.....	\$64 23	\$83 25	\$82 40	\$83 90	\$84 33	.....	\$88 20	.....	\$81 55	.....	.....	.....	.....	.....	.....	.....	.....
Newspapers and Advertising.....	942 75	108 80	78 56	208 15	346 60	\$61 80	33 90	\$11 00	.....	.....	\$4 00	.....	.....	.....	.....	.....	.....
Investigations and Inspections.....	1,744 50	140 00	140 00	140 00	140 00	140 00	158 50	151 50	\$144 50	\$115 00	180 00	\$455 00	.....	.....	.....	.....	.....
Transportation.....	1,920 83	115 50	92 50	78 00	145 75	154 05	128 00	554 75	47 50	139 25	96 50	269 00	.....	.....	.....	.....	.....
Printing.....	599 51	72 81	29 28	32 40	22 71	19 75	37 32	70 90	21 24	48 75	64 30	132 85	.....	.....	.....	.....	.....
Stationery.....	674 18	71 07	32 85	34 38	36 55	36 44	36 16	33 74	35 72	163 47	60 00	87 45	.....	.....	.....	.....	.....
Telephone and Telegraph.....	737 35	36 00	219 00	76 50	48 75	46 00	22 50	63 00	27 00	54 00	63 00	54 00	.....	.....	.....	.....	.....
Vaccine and Fumigation.....	388 65	20 00	20 00	20 00	27 75	30 90	30 00	40 00	40 00	40 00	40 00	40 00	.....	.....	.....	.....	.....
Postage.....	1,427 98	11 00	5 50	26 91	26 67	32 50	450 25	106 50	208 85	114 25	11 90	84 65	.....	.....	.....	.....	.....
Incidentals.....	503 69	29 00	213 80	.....	20 00	.....	.....	.....	.....	.....	.....	210 80	.....	.....	.....	.....	.....
Tuberculin Tests.....	2,146 70	.....	.....	114 00	42 00	259 05	259 05	229 40	272 50	221 13	402 99	361 17	.....	.....	.....	.....	.....
Food Inspecting Stations.....	993 70	.....	.....	.....	7 50	480 30	480 30	68 51	86 37	50 75	147 20	93 50	.....	.....	.....	.....	.....
Chemist.....	752 26	.....	.....	.....	.....	7 50	7 50	641 71	19 60	21 85	16 20	26 10	.....	.....	.....	.....	.....
Bacteriologist.....	2,775 76	.....	.....	.....	.....	.....	.....	1,300 00	435 22	53 75	459 56	467 66	.....	.....	.....	.....	.....
Ambulance Stations.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	\$15,672 06	\$678 43	\$649 63	\$954 04	\$943 69	\$590 94	\$1,651 68	\$3,202 01	\$4,398 50	\$4,113 85	\$1,238 53	\$1,308 40	\$1,982 36	.....	.....	.....	.....

FOR WHAT PAID.

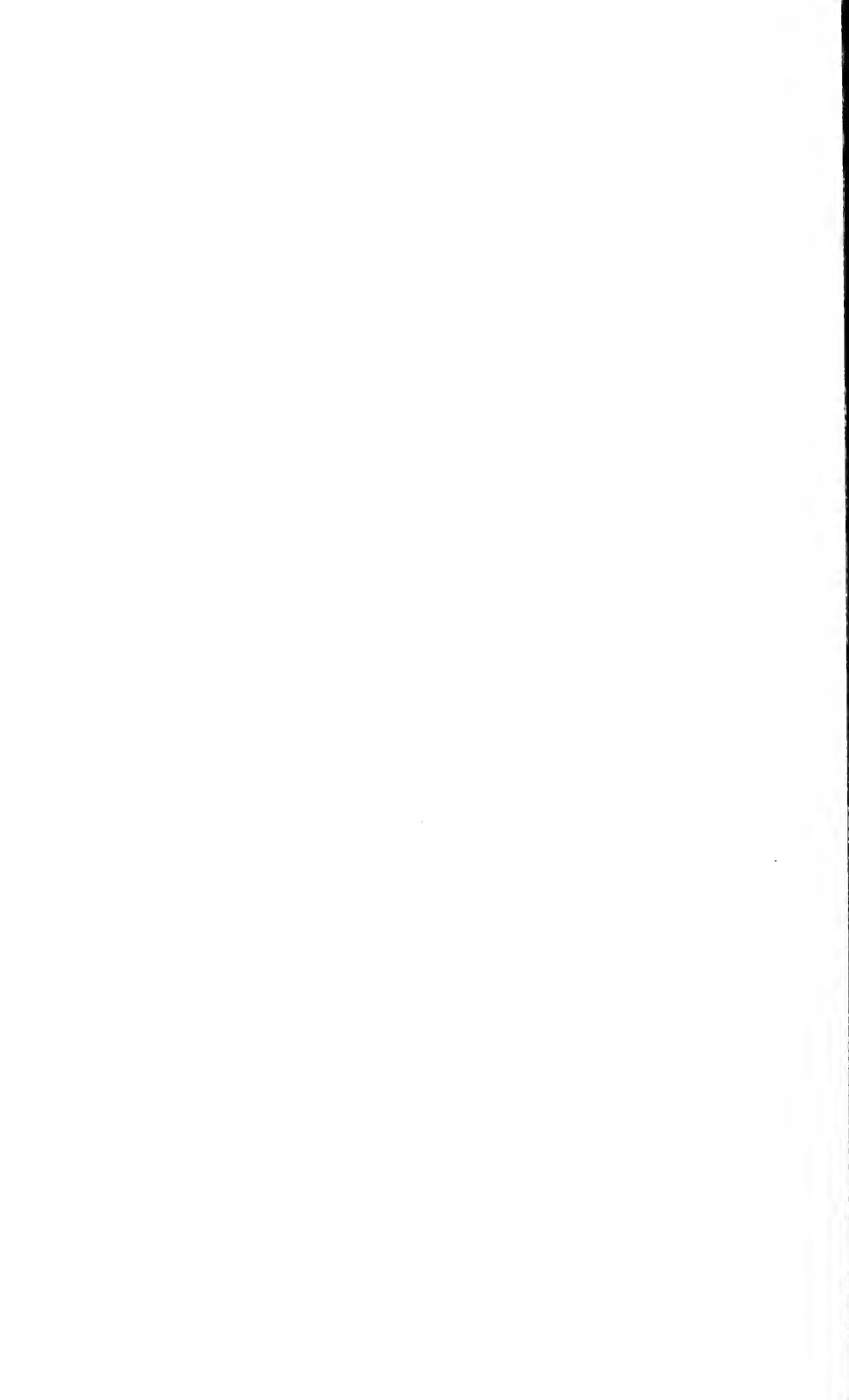
## HEALTH OFFICER'S REPORT.

TABLE No. XXXI.

ANNUAL STATEMENT OF FEES COLLECTED BY HEALTH DEPARTMENT FOR YEAR ENDING JUNE 30, 1897.

NATURE OF FEE.	1896.						1897.					
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Totals .....												
Records of Births.....	\$45 00	\$0 00	\$7 50	\$4 50	\$1 50	\$1 50	.....	\$3 00	\$1 50	\$7 50	\$3 00	\$6 00
Records of Deaths.....	334 50	37 50	31 50	16 50	22 50	25 50	\$31 50	40 50	27 00	39 00	15 00	18 00
Disinterments.....	1630 00	10 00	20 00	120 00	470 00	100 00	40 00	40 00	200 00	520 00	10 00	80 00
Plumber's Permits.....	525 50	39 50	53 00	48 00	55 00	31 50	52 00	33 00	37 00	60 00	43 50	30 50
Plumbers' Licenses.....	256 00	153 00	56 00	14 00	7 00	3 00	3 00	2 00	3 00	5 00	3 00	3 00
Journeyman Plumbers' Cards.....	27 00	25 00	2 00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	\$2818 00	\$271 00	\$170 00	\$203 00	\$536 00	\$167 50	\$126 50	\$118 50	\$208 50	\$631 50	\$74 50	\$137 50
NO FEE CHARGED.												
Milk Permits.....	366	56	23	30	20	27	116	32	62	39	14	24
Laundry Permits.....	66	2	3	2	1	.....	3	3	4	5	12	30
Excavator Wagons.....	24	2	2	2	2	2	2	2	2	2	2	2
Total.....	456	60	28	34	23	29	119	3	68	46	28	56

## DIPHThERIA.



## DIPHTHERIA.

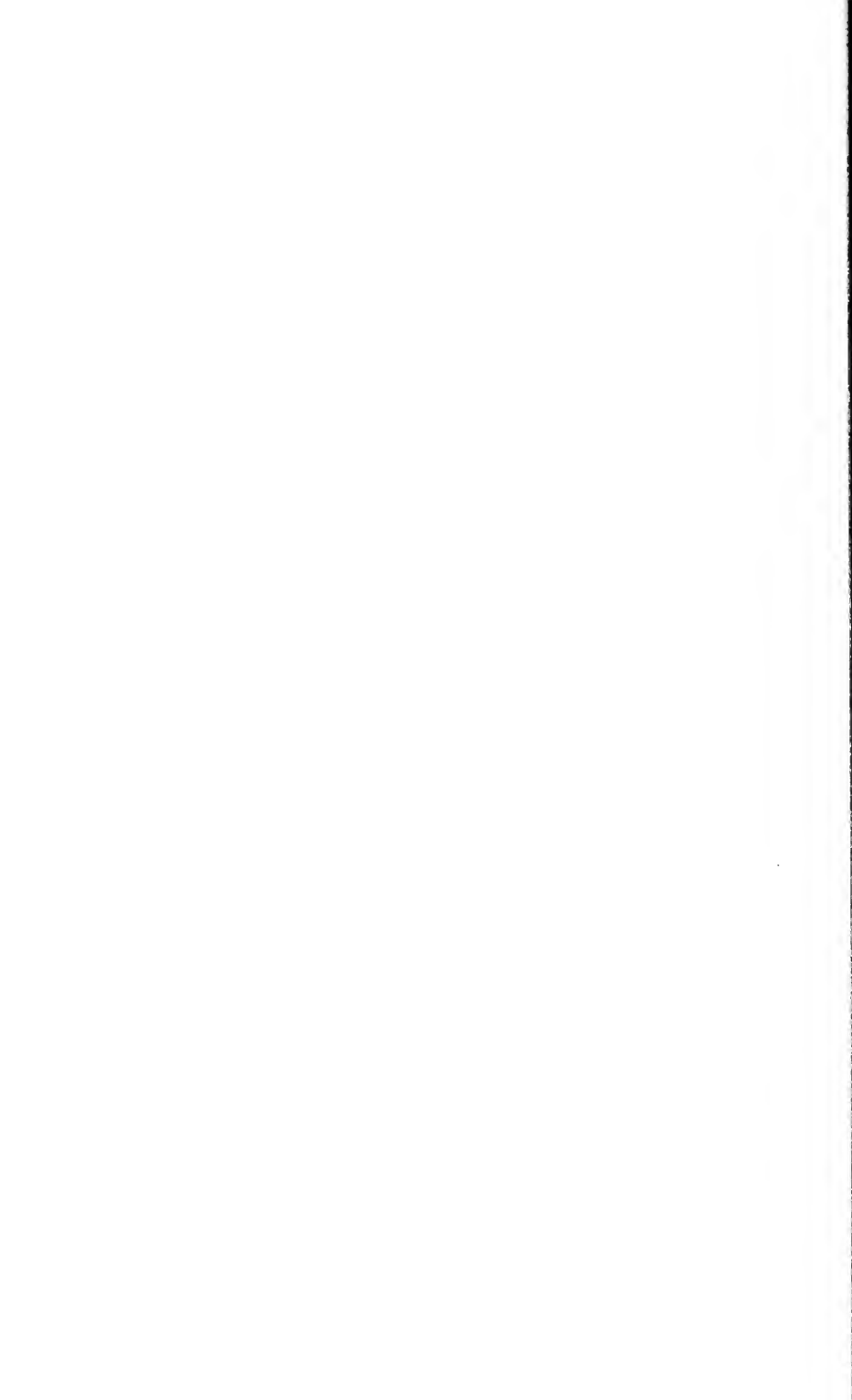


Map showing localities of Deaths from Diphtheria during Fiscal year. Total number of Deaths 66.

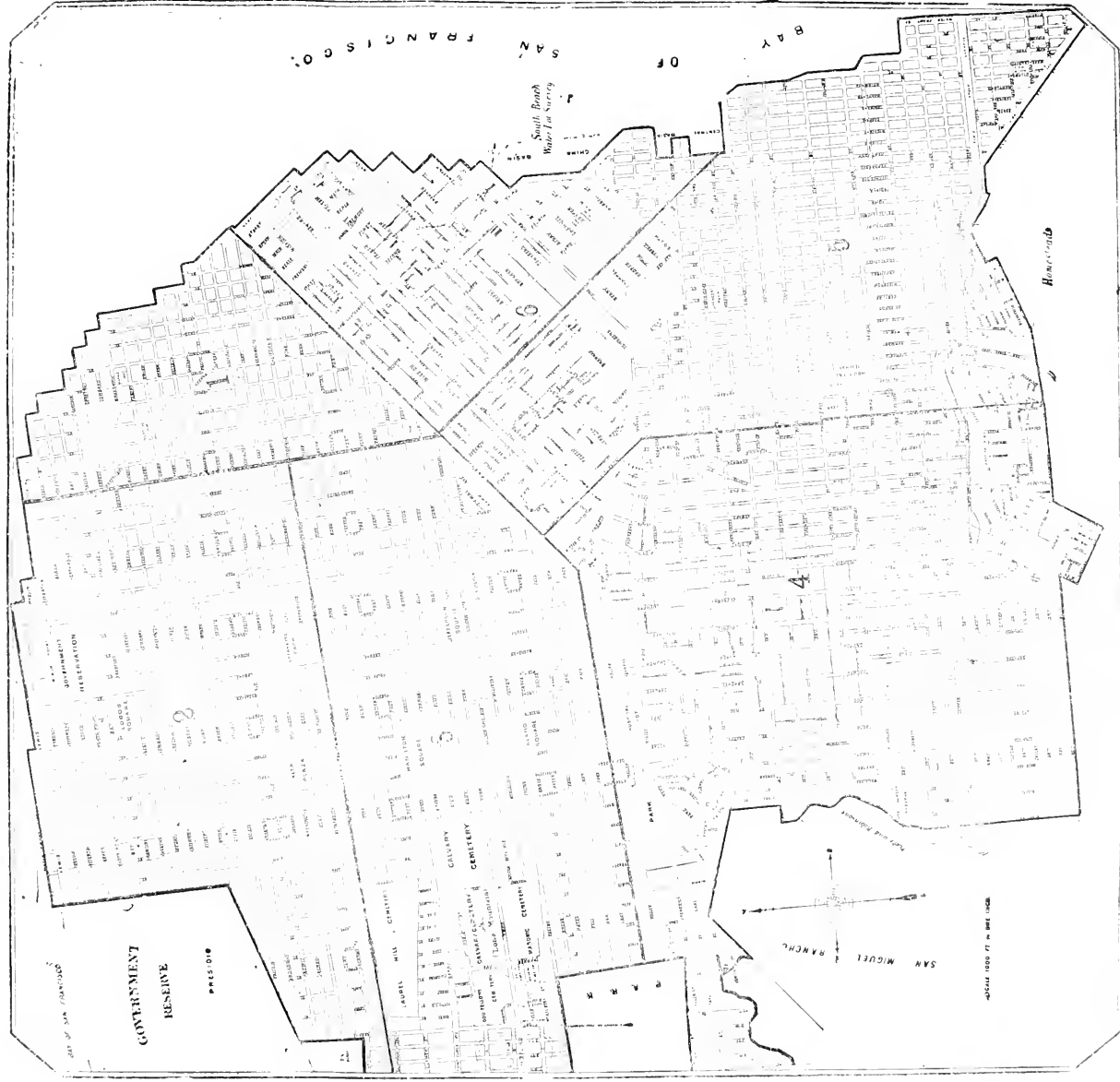




SCARLATINA



# SCARLATINA.



Map showing localities of Deaths from Scarlatina during Fiscal Year. Total number of deaths 6.



## TYPHOID FEVER



# TYPHOID FEVER.



Map showing localities of Deaths from Typhoid Fever during Fiscal Year. Total number of deaths 75.





## PLUMBING INSPECTOR'S REPORT.

SAN FRANCISCO, June 30, 1897.

*To the Honorable Board of Health—*

GENTLEMEN: Herewith please find my report for the fiscal year ending June 30, 1897 :

No. of plans submitted, 818—representing 1,123 houses.

No. of inspections in construction.....	1,231
No. of inspections on completion .....	677
No. of inspections made on complaints referred by Health Inspectors.....	1,413
No. of abatements made on complaints referred by Health Inspectors.....	569
No. of inspections made on complaints received by Plumbing Inspectors.....	1,045
No. of abatements made on complaints received by Plumbing Inspectors.....	459
No. of inspections made on alterations by permit.....	683
No. of inspections made in Chinatown.....	1,757
No. of abatements made in Chinatown.....	208
No. of first notices sent to owners or agents of property in Chinatown.....	674
No. of last notices sent to owners or agents of property in Chinatown.....	43
Total number of inspections made.....	8,464
Total number of feet of castiron sewer pipe.....	41,213
Total number of feet of ironstone sewer pipe .....	13,225
No. of traps at curb.....	608
No. of inspections made in the Latin Quarter.....	342
No. of abatements made in the Latin Quarter.....	30

JOHN J. SULLIVAN,

Plumbing Inspector.

## HEALTH OFFICER'S REPORT.

## REMARKS OF PLUMBING INSPECTOR.

San Francisco, July 1, 1897.

*To the Honorable the Board of Health—*

Gentlemen: In connection with my annual report I beg leave to submit an outline of the results of the special work ordered by your Honorable Body to be done in the Chinese and Latin quarters of the city. This special work has been in progress for ten months. It has demanded a daily and persistent attention from the Plumbing Department, as many of those owning and controlling property in these districts have been slow to obey the directions of the Board where they have not actually resisted them.

When the work began there were few habitations in the Chinese and Latin districts that were not a menace to public health. The sanitary arrangements in a great majority of the buildings were of the worst possible character. The plumbing was primitive and offensively inadequate. Apartments used for sleeping and working were foul with noxious odors and the accumulation of filth. Structures built in violation of law and dangerous to the inmates had been erected as insecure additions to overcrowded buildings. Unclean disease breeding basements, saturated and littered with refuse, were the sleeping rooms of hundreds of Chinese. Above and below ground, in rookeries and cellars the Chinese quarter threatened the health of its inhabitants when your Honorable Body directed that the special house to house inspection be commenced. While this work is not yet finished and will not be for many months, if the orders of your Honorable Body are to be carried out as you have outlined them, enough has already been accomplished to place Chinatown in a far more sanitary condition than it ever was before in its history.

In most of the buildings an entire change has been made in the sanitary system. Decayed and inadequate plumbing has given place to modern appointments. Rookeries and sheds attached to buildings have been torn down. Unhealthy basements have been cleaned and closed and their inmates forced to seek abodes above ground. The interior and exterior of buildings have been painted and renovated, in many instances the change necessitating a complete remodeling of the interior of structures.

In detail the work that has already been done by the Plumbing Department under the direction of your Honorable Board includes new plumbing, painting, whitening, cleaning, ventilating, renovating and partial remodeling in the houses on the following streets:

Commercial, on both sides, from Kearny to Dupont.  
Sacramento, on both sides, from Kearny to Stockton.  
Clay, on both sides, from Kearny to Powell.  
Washington, on both sides, from Kearny to Powell.  
Jackson, on both sides, from Kearny to Powell.  
Pacific, on both sides, from Kearny to Powell.  
Dupont, on both sides, from California to Broadway.  
Stockton, on both sides, from California to Broadway.  
Waverly Place, on both sides, from Sacramento to Washington.  
Spofford alley, on both sides, from Washington to Jackson.  
Ross alley, on both sides, from Washington to Jackson.  
St. Louis, on both sides, off Jackson, north of Dupont.  
Prospect place, on both sides, from California to Clay.  
Selma place, on both sides, off California, east of Stockton.  
Clay alley, on both sides, off Clay, west of Stockton.  
Bartlett alley, on both sides, from Pacific to Jackson.  
Stouts alley, on both sides, north of Washington, east of Stockton.

Sullivan alley, west side, from Pacific to Jackson.

Washington alley, east side, from Washington to Jackson.

Brooklyn alley, on both sides, south of Sacramento, east of Stockton.

Trenton street, on both sides, from Washington to Pacific.

Hopeton terrace, west side, from west of Stockton, south of Jackson.

This is but one portion of the work performed by the Plumbing Department. In the district south of Market there have been a great many buildings inspected. These buildings are principally occupied by poor people, but many of them are owned by wealthy landlords. The plumbing and drainage in all these buildings was a menace to health, no attention whatever having been paid to their sanitary condition. In many cases this has been changed. On both sides of Clara street, from Fourth to Sixth, the plumbing and drainage has been altered so as to put the different premises in a healthy condition.

When we commenced our work on Clara street diphtheria and scarlet fever were raging in an epidemic form. As soon as the places were cleaned and the plumbing and drainage put in good order the health of the district was decidedly improved. In other parts of this district the same work has been done. In fact, there is no part of the city that our attention has been called to that has not been improved, as far as the health of the people is concerned, by making the change ordered by the Plumbing Inspectors.

In performing the duties referred to in my report I have been ably assisted by the Assistant Plumbing Inspectors, Mr. McGrath, Mr. Ward, Mr. Kelly and Mr. Connolly, all of whom have worked faithfully and honestly, and let me say right here, without fear of contradiction, that there is no private business or corporation in the city where the employees are more attentive to business than we are. Our hours are as long or longer than any other offices in the Hall. Our duties in many cases compel us to work nights and Sundays to keep up with our work. In fact, gentlemen, there are not a sufficient number of Inspectors to properly do the work that we are called on to perform. There are new building inspections, alterations in old buildings, changing or altering plumbing in old houses, nuisances consisting of defective plumbing referred to our department from the Health Inspectors, complaints coming direct to our department, side sewers from the curb to building, including the traps, and in many cases we have been called on to inspect houses which people are desirous of renting or buying. In attending to the above duties it requires much time and many visits. We also in a great many cases call on the owners to explain to them the necessity of doing the work ordered, which takes up considerable of our time.

We have not made many arrests. We think that persuasion is better and takes up less time than it would if we made arrests.

Respectfully submitted,

JOHN J. SULLIVAN,  
Plumbing Inspector.

NOTE—For List of Master Plumbers, see Appendix.

## CHIEF MARKET INSPECTOR'S REPORT.

San Francisco, July 1, 1897.

*To the Honorable the Board of Health—*

Gentlemen: I respectfully present my annual report as Chief Market Inspector, embracing the work accomplished during the fiscal year and giving a detailed statement of the condemnations made by the Assistant Market Inspectors and myself.

I must again call the attention of your Honorable Board to the urgent need of a proper supervision and inspection of the slaughter-houses in Butchertown, and the passage of an ordinance regulating the hours of killing in that vicinity. Since the withdrawal, by the United States Government, of the inspection over almost all of these slaughter-houses, the supervision of the places has entirely devolved upon but one Assistant Market Inspector, thus not only preventing the necessary thorough inspection, but at the same time giving slaughtering establishments an opportunity to kill cattle unfit for food after the regular hours of the single Inspector located in that district.

Consequently, it becomes necessary on account of the withdrawal of Government Inspectors to increase the present small force of Market Inspectors and to provide for a constant and vigorous inspection of slaughter-houses. The passage of an ordinance prohibiting the killing of cattle between sunset and sunrise would enable the department to successfully inspect all carcasses intended for human consumption, while at the same time it would effectually prevent the bringing of diseased or tainted meats in to the city proper.

There are at present ten beef, eight sheep and nine hog slaughter-houses in Butchertown, but two of which are under Government inspection. The remainder are looked after by but one Assistant Market Inspector.

Aside from Butchertown there are four hundred markets scattered over the city which are under the supervision of but two men, thus showing the impossibility, with the present force, to give a thorough inspection to all as I deem absolutely necessary. These markets should, by future local legislation, be compelled to secure permits from the Board of Health the same as an ordinance compels milk vendors to do. Such an ordinance would give additional prestige to the department that it sadly lacks at present, while the fear of a revocation of said permit for any violation of the law would prevent much from being sold that is meat in name only.

I would again suggest that markets be prohibited from exhibiting meats in front of their establishments. The dust from the streets, impregnated with disease germs and filth, speedily transforms healthy beef into meat that is absolutely a menace to health. Meats intended for sale should be kept away from all danger of attracting contagious diseases or such forms of bacteria possessing a tendency to cause sickness.

During the year I have made twelve arrests for violation of the meat ordinances, of which eleven were convicted and one acquitted. A total of \$285 was paid into the City Treasury for fines on said convictions. One dealer in diseased meats was sentenced to six months in the County Jail, and was lately released after having served his time in full. This is the first instance in the history of my department that the full extent of the law was given an offender.

For the convenience of the public and trade in general, I have appended this year, in addition to my former tables, a complete alphabetical list of all markets in this city and county. I am also preparing for your Honorable Board a series of maps upon which are being placed the location of all markets in this county. Each market has been given an official number to designate it in future inspections.

All of which is respectfully submitted,

BEN DAVIS,  
Chief Market Inspector.

NOTE—For List of Markets, see Appendix.

## REPORT OF ASSISTANT MARKET INSPECTORS.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health—*

GENTLEMEN: I beg leave to submit the following report of all seizures made by the Market Inspectors for the fiscal year ending June 30, 1897:

SEIZURES.	Total.	1896.						1897.					
		July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Cattle .....	228	12	44	17	7	19	40	35	7½	8	14	8	17
Sheep .....	8	.....	.....	1	1	.....	1	.....	.....	2	1	1	1
Beef, pounds .....	2,415	.....	.....	150	.....	.....	715	100	700	...	250	500	.....
Calfes .....	358½	17	16	43	67½	15	26	38	35	34	22	34	11
Hogs .....	126	6	4	4	10	11	11	16	8	8	7	22	19
Chickens .....	4,111	190	114	286	527	268	616	535	366	553	403	.....	253
Turkeys .....	149	.....	.....	.....	124	15	5	1	2	.....	2	.....	.....
Rabbits .....	3,697	.....	.....	155	270	7	27	133	1,048	700	1,124	85	148
Ducks .....	135	.....	.....	.....	16	36	.....	23	60	.....	.....	.....	.....
Geese .....	684	.....	.....	.....	255	12	.....	2	1	.....	414	.....	.....
Snipe .....	121	.....	.....	.....	.....	121	.....	.....	.....	.....	.....	.....	.....
Fish, pounds .....	14,149	1,200	5,300	.....	.....	1,500	.....	.....	.....	2,055	659	920	2,515
Fish, cases .....	1,525½	.....	.....	.....	525	60	70½	870	.....	.....	.....	.....	.....
Fish, cans .....	39	.....	.....	.....	.....	.....	39	.....	.....	.....	.....	.....	.....
Canned Goods .....	1,168	3	299	459	.....	.....	.....	.....	386	.....	.....	21	.....
Watermelons .....	867	867	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Onions, sacks .....	10	.....	.....	.....	10	.....	.....	.....	.....	.....	.....	.....	.....
Pork, pounds .....	710	.....	.....	.....	.....	.....	.....	110	600	.....	.....	.....	.....
Veal, pounds .....	554	.....	.....	.....	.....	.....	.....	.....	554	.....	.....	.....	.....
Coons .....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Squirrels .....	187	.....	.....	.....	.....	.....	.....	.....	187	.....	.....	.....	.....
Fruit in boxes .....	87	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	87
Eggs, dozen .....	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
Times markets inspected	10,213	456	968	759	878	837	768	932	940	908	1,071	882	784

## HEALTH INSPECTORS' REPORTS.

## REPORT OF HEALTH INSPECTOR, DISTRICT No. 1.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I hereby submit my report for District No. 1 for the fiscal year ending June 30, 1897:

Number of complaints filed during year.....	543
Number of complaints abated.....	319
Number of complaints, no cause.....	147
Number of complaints referred to other departments .....	67
Number of complaints unabated .....	10
	<hr/> 543
Number of cases diphtheria reported.....	18
Number of cases scarlatina reported.....	19
Number of cases typhoid fever reported.....	5
Number of cases measles reported.....	147
	<hr/> 189
Number of fumigations.....	40

Respectfully submitted,

DAVID FAY,  
Health Inspector, District No. 1.

## REPORT OF HEALTH INSPECTOR, DISTRICT No. 2.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I hereby submit my report for District No. 2 for the fiscal year ending June 30, 1897:

Number of complaints filed during year .....	422
Number of complaints abated.....	297
Number of complaints, no cause.....	99
Number of complaints referred to other departments.....	24
Number of complaints unabated.....	2
	<hr/> 422

Number of cases diphtheria reported.....	22
Number of cases scarlatina reported.....	7
Number of cases typhoid fever.....	3
Number of cases measles reported.....	97
	<hr/>
	129
Number of fumigations.....	31

Respectfully submitted,

OTTO LUDERS,

Health Inspector, District No. 2.

### REPORT OF HEALTH INSPECTOR, DISTRICT No. 3.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health*

*Of the City and County of San Francisco—*

GENTLEMEN: I hereby submit my report for District No. 3 for the fiscal year ending June 30, 1897:

Number of complaints filed during year.....	623
Number of complaints abated.....	491
Number of complaints, no cause.....	37
Number of complaints referred to other departments.....	39
Number of complaints unabated.....	6
	<hr/>
	623
Number of cases diphtheria reported.....	26
Number of cases scarlatina reported.....	36
Number of cases of typhoid fever reported.....	4
Number of cases measles reported.....	353
	<hr/>
	419
Number of fumigations.....	57

Respectfully,

JAS. W. CROWE,

Health Inspector, District No. 3.

## HEALTH OFFICER'S REPORT.

## REPORT OF HEALTH INSPECTOR, DISTRICT No. 4.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health**Of the City and County of San Francisco:*

GENTLEMEN: I hereby submit my report for District No. 4 for the fiscal year ending June 30, 1897:

Number of complaints filed during year.....	456
Number of complaints abated.....	327
Number of complaints, no cause.....	86
Number of complaints referred to other departments.....	31
Number of complaints unabated.....	12
	<hr/>
	456
Number of cases diphtheria reported.....	112
Number of cases scarlatina reported.....	26
Number of cases typhoid fever reported.....	20
Number of cases measles reported.....	232
	<hr/>
	390
Number of fumigations.....	143

Respectfully,

W. H. DUREN,

Health Inspector, District No. 4.

## REPORT OF HEALTH INSPECTOR, DISTRICT No. 5.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health**Of the City and County of San Francisco—*

GENTLEMEN: I hereby submit my report for District No. 5 for the fiscal year ending June 30, 1897:

Number of complaints unabated at last report ..	25
Number of complaints filed during year.....	502

527



# HEALTH INSPECTORS' REPORTS.

189

Number of complaints abated.....	356
Number of complaints, no cause.....	81
Number of complaints referred to other departments.....	51
Number of complaints unabated.....	39
	<hr/>
Number of cases diphtheria reported.....	527
Number of cases scarlatina reported.....	45
Number of cases typhoid.....	14
Number of cases typhoid.....	1
	<hr/>
Number of fumigations.....	60
Number of cases measles.....	58
	<hr/>
	197

Very respectfully,

A. B. KINNE,  
Health Inspector, District No. 5.

## REPORT OF HEALTH INSPECTOR, DISTRICT No. 6.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I hereby submit my report for District No. 6 for the fiscal year ending June 30, 1897:

Number of complaints filed during year.....	564
Number of complaints abated .....	362
Number of complaints, no cause.....	126
Number of complaints referred to other departments.....	31
Number of complaints unabated.....	45
	<hr/>
	564
Number of cases diphtheria reported.....	47
Number of cases scarlatina reported:...	15
Number of cases typhoid fever .....	2
Number of cases measles.....	111
	<hr/>
	175
Number of fumigations.....	48

Respectfully,

T. DONOVAN,  
Health Inspector, District No. 6.

## HEALTH OFFICER'S REPORT.

## REPORT OF HEALTH INSPECTOR, DISTRICT No. 7.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I hereby submit my report for District No. 7 for the period from October 1, 1896, to July 30, 1897:

Number of complaints filed during year.....	335
Number of complaints abated.....	217
Number of complaints, no cause.....	66
Number of complaints referred to other departments.....	24
Number of complaints unabated.....	28
	<hr/> 335
Number of cases diphtheria reported.....	37
Number of cases scarlatina.....	30
Number of cases typhoid fever.....	5
Number of cases measles.....	185
	<hr/> 266
Number of fumigations .....	71

Respectfully,

I. L. DAVID,

Health Inspector, District No. 7.

## REPORT OF HEALTH INSPECTOR, DISTRICT No. 8.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health**Of the City and County of San Francisco—*

GENTLEMEN: I hereby submit my report for District No. 8\* for the fiscal year ending June 30, 1897:

Number of complaints filed during nine months.....	31
Number of complaints abated.....	136
Number of complaints, no cause.....	57
Number of complaints referred to other departments.....	41
Number of complaints unabated.....	34
	318
Number of cases diphtheria reported.....	10
Number of cases scarlatina reported.....	14
Number of cases typhoid fever reported.....	2
Number of cases measles reported.....	37
	63
Number of fumigations.....	18

Respectfully,

F. E. BENJAMIN,

Health Inspector, District No. 8.

\* District No. 8 was created October 1, 1896.

## REPORT OF BATH AND LAUNDRY INSPECTOR.

San Francisco, July 1, 1897.

*To the Honorable the Board of Health—*

Gentlemen: As Bath and Laundry Inspector, I respectfully submit the following report (from November, 1896, to June 30, 1897), covering the inspection of the various white and Chinese laundries in the City and County of San Francisco:

There are located in this city some six hundred laundries, of which two hundred are white and the remaining four hundred Chinese.

The white laundries (American and French) have displayed a commendable spirit of enterprise in their active co-operation with this branch of the Health Department by their willingness to observe such rules and regulations now in force applying to the sanitation of laundries and the condition of the occupants.

Upon the other hand, the Chinese laundrymen, owing to their ignorance of our laws and their unwillingness to remedy the many vicious evils resulting from a lack of inspection on the part of former city officials, displayed a tendency during my first inspections to oppose any and all sanitary improvements in their establishments. The prompt withdrawal of their laundry permits, aided by a vigorous enforcement of State and local ordinances, have taught them that the time of old conditions and open violations of the laws are things of the past. Since then this class of laundries has steadily improved, both in the cleanliness of the occupants and the sanitation of the laundries. The work has been slow but somewhat effective, as I found on later inspections that the tendency to return to old conditions was still active in the minds of the proprietors of these laundries. This fault, however, will undoubtedly be remedied in the course of time, with the result that the Chinese laundries will occupy a higher standard among like enterprises in this city.

As in other newly created departments of the Health Department, new ordinances of the Board of Supervisors granting additional powers to your Honorable Board in the inspection and supervision of laundries are earnestly recommended. In this connection I have taken the liberty to suggest such ordinances for passage as are deemed necessary for the welfare of the city and the good of the department:

First—Limiting the number of occupants in laundries according to the condition, space, etc

Second—Enforcement of good ventilation and pure air.

Third—Prohibiting occupants sleeping under ironing tables upon the clothes of patrons.

Fourth—Permitting laundries in brick buildings only.

Fifth—Prohibiting walls to be papered, and allowing paint or whitewashing only.

Sixth—Prohibiting the smoking of opium in laundries.

Regarding the number of laborers permitted to work in laundries, it is absolutely necessary that some limitation be placed upon the number of occupants. Many of these Chinese laundries are decidedly overcrowded with help, who, aided by the lack of ventilation and uncleanly habits, are liable to generate and spread disease in the clothes of their patrons.

Good ventilation and a generous supply of pure air to penetrate in all corners of each establishment is greatly desired. The atmosphere in some of the laundries is simply disgusting, while the odors arising therefrom give warning of what is liable to happen if measures are not taken in the near future to enforce an order requiring a free circulation of air to all parts of these buildings by means either of additional windows or such other methods better suited to same.

Formerly (prior to November, 1896, and to a small extent now) the occupants of Chinese laundries were accustomed to sleeping upon the clothes of their patrons under the ironing tables. Since the inspection of laundries began I have refused to grant permits to proprietors of laundries who persist in permitting their help to continue this vicious practice. I have also ordered all curtains hanging before the ironing tables to be removed so as to allow of a free circulation of air.

It is necessary that white and Chinese laundries be entirely confined to brick buildings. In such structures the liability of the establishment to catch fire is reduced to a minimum; the tendency to generate disease is reduced in like proportion, while other nuisances always cropping to the surface in frame buildings to annoy near-by tenants will naturally be of less frequent occurrence.

The papering of walls in laundries is one of the most dangerous practices that has come under my observation. Prior to the inspection and subsequent condemnation of wall paper, this article was used in fully three-fourths of the Chinese laundries. Much of it was in an old, torn and dilapidated condition from age and filthy with the odors from numerous washings. While this practice has almost been entirely done away with, still legislation is necessary to prevent a recurrence.

Opium smoking in laundries by white inmates exists to an alarming extent. Males and females, white, old and young, indulge in this vice. Laundries so frequented should be quarantined against taking in washing and the proprietors thereof severely punished. Clothing impregnated with opium fumes and laid upon by "fiends" is certainly not of a healthy nature to the persons using them thereafter. These opium dens in Chinese laundries also entrap innocent youths and girls and reduce them to the condition of beasts.

An ordinance introduced by the Chairman of the Bath and Laundry Committee, Dr. H. H. Hart, prohibiting the spraying of clothes by means of water emitted from the mouths of the occupants, is being vigorously enforced with decided effect.

The passage of this ordinance has resulted in the adoption by the Chinese of a can with spray and bulb attachment, thus considerably lessening the liability to spread disease, while at the same time discontinuing a filthy practice.

I have arrested some fifty Chinese for violation of this order, and secured convictions in every case of five dollars or twenty-four hours' imprisonment.

I have added to this, my first annual report, a complete list of white and Chinese laundries in this city and county which have been under inspection. Owing to the frequent change of proprietors the list has been arranged according to location, by streets, for easy reference.

All of which is respectfully submitted.

WM. H. TOBIN,

Chief Bath and Laundry Inspector.

NOTE—For List of Laundries, see Appendix.

## HEALTH OFFICER'S REPORT.

## SUMMARY OF LAUNDRY AND BATH-HOUSE INSPECTIONS.

MONTH.	Totals.	LAUNDRIES.	
		Good Condition.	Poor Condition.
December.....	59	7	52
January.....	56	1	55
February.....	62	4	58
March.....	61	3	58
April.....	217	4	213
May.....	173	39	134
June.....	83	36	47
	711	94	617

Of the 617 white and Chinese laundries found in poor condition, fully twenty-five per cent have restored their establishments to a fair sanitary condition. The balance have been served with notices to abate, and many are now endeavoring to comply with the orders given.

Fifty-one Chinese were arrested, and their conviction secured, for violation of the ordinance prohibiting the spraying of clothes by means of water emitted from the mouth.

Four Chinese laundrymen were arrested for refusal to abate nuisances when so ordered.

Ten Chinese laundries were condemned and ordered closed by the revocation of their permits. Of this number one was torn down by the owner and a modern business structure is now being erected.

Sixteen bath-houses were inspected and all found in good condition.

## REPORT OF BAKERY INSPECTOR.

San Francisco, July 1, 1897.

*To the Honorable the Board of Health—*

Gentlemen: I have the honor to submit the following report for the fiscal year ending June 30, 1897:

Total number of bakeries under inspection.....	262
Number of inspections from October 1, 1896, to July 1, 1897.....	604
Number of nuisances abated.....	153
Number of nuisances referred to Plumbing Department.....	8
Number of nuisances unabated.....	9

It gives me pleasure to state that good results have been obtained, considering the short space of time, nine months, since the creation of this department and my appointment as Bakery Inspector.

The work already accomplished by your Honorable Board in this branch of the service is certainly worthy of the earnest consideration of every one interested in clearly baked bread and sanitary bake-shops.

One great impediment I find in the performance of my duties, is the deplorable lack of local ordinances governing the condition of bake-shops; failure by direct legislation to give the Board additional powers in the superintendence of their working, and also to the cleanliness of the occupants.

In spite of these defects some effective work relative to the placing of all bakeries in a sanitary condition has been accomplished. I have visited, from time to time, and at different hours of the day and night, many bake-shops. In cases where the plumbing was not in a sanitary condition, according to the rules of your Honorable Body, I have compelled them to place the same in a proper sanitary condition. In cases where the floors exhibited signs of dampness, new cement floors were demanded. Proper ventilation was at all times required and insisted upon. In many instances it was necessary to order whitewashing to better the sanitation of the bake-room proper.

I have visited and located two hundred and fifty-seven bakeries, all of which I have placed in an alphabetical list arranged according to the names of proprietors, which list is intended for easy reference by your Honorable Board, and for that part, for the general public interested in the welfare of this branch of the service.

I would respectfully request that ways and means be devised whereby the efficiency of this department may be increased, either by passage of health regulations or by ordinances submitted to the Board of Supervisors. It is necessary in these ordinances to pay particular attention to the cleanliness of the occupants; sanitary condition of the bake-shops (ventilation, ovens, floors), and to the material used in the baking of bread. Under ordinances such as these it would be possible for me to accomplish my duties quicker and in a much more effective manner.

All of which is respectfully submitted.

J. W. CAMERON,  
Bakery Inspector.

NOTE—For List of Bakeries, see Appendix.

## DISINTERMENT INSPECTORS' REPORT.

SAN FRANCISCO, July 1, 1897.

*To the Honorable Board of Health*

*Of the City and County of San Francisco—*

GENTLEMEN: We respectfully submit our report of disinterments and removals for the fiscal year 1896-97:

Total number of permits issued during year.....	486
Disinterments for fiscal year 1896-97.....	485
Disinterment permits canceled fiscal year 1896-97.....	1
	486

Disinterments took place at the following cemeteries, viz.:

City (white).....	39	Masonic.....	35
City (Chinese) .....	147	Mission Dolores .....	8
Laurel Hill (Chinese) ...	2	Home of Peace.....	5
Laurel Hill (white).....	39	Private.....	1
Calvary .....	151		
I.O.O.F. ....	55	Total .....	485

No. 228 canceled.



Removals were as follows, viz.:

City .....	4	San Anselmo.....	1
Laurel Hill .....	10	Marysville.....	1
Calvary .....	1	Salinas.....	1
I.O.O.F.....	19	New Hampshire.....	1
Masonic .....	11	Massachusetts.....	1
San Mateo County—		St. Louis, Mo.....	1
Holy Cross.....	143	Orleans, Mass.....	1
Cypress Lawn.....	53	Buffalo, N. Y.....	1
Home of Peace.....	8	Louisville, Ky.....	1
Hills of Eternity.....	1	Kalamazoo, Mich.....	1
Mount Olivet.....	3	Ft. Plain, N. Y.....	1
Salem.....	13	Newtonville, N. Y.....	1
Oakland.....	27	Honolulu, H. I.....	1
Haywards.....	3	Welland, Canada.....	1
San Jose.....	5	Quebec, Canada.....	1
National.....	6	Ottawa, Canada.....	1
Santa Clara.....	1	Guatemala.....	1
Los Angeles.....	3	China.....	149
San Gabriel.....	1		
San Rafael.....	2	Total.....	485

Respectfully,

A. K. HAPERSBERGER, M. D.,

RICHARD M. JONES,

Disinterment Inspectors.

## REPORT OF BUREAU OF FOOD INSPECTION.

San Francisco, July 1, 1897.

*To the Honorable the Board of Health**City of the City and County of San Francisco—*

Gentlemen: I have the honor to submit the following report for the fiscal year ending June 30, 1897:

During the months of July, August, September and October the inspection of milk and dairies proceeded on the same lines as during the preceding year, viz: being carried on as best I could alone. During these four months considerable good was accomplished on account of the many night raids made among the numerous milk dealers. I found, however, that on account of the many severe lessons taught to unscrupulous dealers the adulteration of milk had very materially decreased. Among the many important factors added to the department during the past year was the opening of the four Food Inspection Stations, which event took place on the 11th day of November, 1896. Station No. 1, located on Clay street wharf on account of certain extensions made in the construction of the new ferry building, has not been in operation as desired by the Board of Health. This necessitates the inspection of milk on the different wharves, which is very inconvenient. I cannot say that there will be any change in the method of inspecting milk at the ferry until we can secure more space for our station. The average number of wagons inspected daily at this station is 96; average number gallons of milk inspected daily, 8750. Station No. 2, located at Fourth and Berry streets, is in good condition, and the average number of wagons inspected daily is 53; average number gallons of milk inspected daily, 2,700. Station No. 3, being located on Army and Alabama streets, at which 15,500 gallons of milk and 385 wagons are inspected daily, is the most important of the stations and necessitates considerable labor and care to see that the same is properly managed. Station No. 4 is located on Geary street and Central avenue, and 44 wagons and 1,650 gallons of milk are inspected daily.

Regarding the establishing and operation of the four open Food Inspection Stations, I have to say that no doubt if carried on according to the plans outlined by their originator, J. B. Reinstein, the public of San Francisco would enjoy one of the most complete milk inspection systems in the United States. Dealers will hardly risk bringing for inspection impure milk to the stations when they are made aware of the fact that it might cost them the revocation of their permit, for, according to the decision of his Honor, Judge Hunt, in the case of Kavanaugh and Gallagher vs. the Board of Health, the Board has the power to revoke the permit of any milk dealer who fails to comply with the rules and regulations of the Health Department. Numerous complaints have been made that many of the milkmen on receipt of their inspection certificates after having had their milk inspected at the stations, resorted to their old tricks and watered their milk. Regarding this I desire to say that for many months I have had two deputies collecting samples throughout the city from restaurants, hotels, milk depots, milk wagons, and in fact wherever milk was on sale, and the records will show how groundless have been the complaints. At the present time and for the past three months this Bureau has been handicapped from the fact that the deputies who were in charge of

gathering samples as above stated are now engaged in the more important work of assisting veterinary I. W. O'Rourke inspecting dairy herds and administering the tuberculin test in order that all cows afflicted with tuberculosis shall be exterminated. It is needless for me at this time to call the attention of your Honorable Body to the great number of tuberculous cows there are among the various herds situated on the different dairies which supply milk to this community, and as this subject has for the past two years been a source of deep concern to you all, I am pleased to say that the inspection is progressing uninterruptedly and in good shape, and if no obstacles are encountered during this term our dairies will have few unhealthy cows in their herds. There being many other important matters which it is my desire to call to your attention, I will respectfully refer you to the report of Veterinary Surgeon O'Rourke concerning the above, which will be found of much interest.

#### ESTABLISHING THE BUREAU OF FOOD INSPECTION.

The Board of Health, realizing the great importance and necessity of a thorough inspection of all kinds of food, devoted considerable of their valuable time in gathering data from all the large Eastern States and cities where the inspection of food is carried on, and after many consultations, at which all matters appertaining to the inspection of food were most thoroughly discussed, the Board concluded to take the matter up, organize and establish a Bureau of Food Inspection which would be a department not in name but in fact. The Bureau was organized last January and is without doubt one of the most important and beneficial movements yet inaugurated in the interest and welfare of the community. The work already accomplished through this branch of the Health Department, although in operation but a few months, is indeed very creditable, as the statistical report will show. To the great precautions taken by the Board in interesting the Courts and explaining the necessity of prosecuting all offenders without fear or favor to any one is largely due the success with which we have met, for during the month of February a conference was held between the four Police Judges, representatives of the Manufacturers' and Producers' Association and the council of Associated Industries, his Honor, Mayor Phelan, the chief of Food Inspection, and representatives of the Health Department. After a very lengthy discussion, and when to all appearances it seemed as though the result of the conference would be anything but satisfactory, his Honor, Judge Campbell, arose and fearlessly announced that he was willing that all impure food cases should be assigned to his department and he would administer the law justly. How beneficial the result of the conference has been will be seen by the fact that of 33 arrests we have 13 convictions, 20 still pending, and 5 dismissals. In 2 cases the jury failed to agree, standing in one case 10 for conviction and 2 for dismissal; in the other, 11 for conviction and 1 for dismissal. Much of the success with which we have thus far met is largely due to the ceaseless and untiring efforts of Assistant District Attorney Jos. J. Dunn, who, through the kind interest and courtesy of District Attorney Barnes has, associated with Prosecuting Attorney Spinetti, conducted the prosecution thus far in all cases of dealers in adulterated food. Obeying the initiatory orders of the Board of Health to procure Eastern goods in any of the lines attached, the purpose was to drive that class of competition from our midst first rather than antagonize our own producers and to protect the latter as far as possible under the law. This has been done as far as it was possible, notably in catsup and condensed milk cases; but when it came to honey and jellies it was found that the bulk of adulteration was perpetrated by our own people and the department had no other course to pursue than to include them in orders and bring them to a realizing sense that they were breaking the law without valid excuse. It seems strange that within a State such as ours, reputed to be the most extensive fruit-growing State in the

Union, that the manufacturers should stoop to the adulteration of honeys, jellies, jams and olive oils. It is claimed by some that the adulteration practiced by our people has been forced upon them in order to meet Eastern competition, but after a thorough canvass our inspectors have failed to find the Eastern goods in anything like the amount placed on the market by home manufacturers; hence that argument would seem to be nil. It is true that grossly adulterated jellies of Eastern manufacture have been found in thirty-pound pail packages said to contain currant and raspberry, when, in fact, no trace whatever of the fruit could be found, and that they have been purchased for 90 cents a pail, and in some cases, I am informed that they have been sold for as low as 65 cents per pail. When the cost of the pail is 12½ cents, and the freight from the East is deducted from the prices stated, it would seem that a novice would require little discernment to determine that such food is absolutely unfit to be consumed by a human being. It is needless to say that in all cases of this kind arrests have been made and convictions obtained. Of jellies in glass or tin, as I said before, the bulk of the adulteration has been found, to our discredit, in goods of home manufacture, and of the few Eastern packages obtained most of them were found pure. This caused the following remark to be made by one of our retail dealers: "We aim to keep nothing on our shelves but absolutely pure goods," and can it be possible that in this great fruit-growing State we shall be obliged to procure commodities from New York or England in order to get that which is within our borders? In the case of honey there is no excuse for the use of 95 per cent of glucose and 5 per cent honey where bees will thrive in almost any season of the year even within the limits of our largest cities. In the establishment of this department your Honorable Body has most certainly undertaken one of the most important, gigantic and far-reaching movements conceivable. In the first place few articles of food to be had in this State at the present time are absolutely pure. When the time shall have arrived to expose to public view the atrocious schemes resorted to, by dealers in all classes of food and drink, to make money by the ruination of the State's credit and the destruction of human life, our people will stand in amazement and wonder why they have been apparently dead to this most important matter for the past twenty years.

Under your direction the crusade against adulterated food shall progress, and with grand results; but in order that the State of California shall occupy the position to which she is justly entitled, viz: The producer of food which shall be the first favorite in the world's markets, and the people, regardless of locality, reap the benefits of your labor, it will be absolutely necessary that a State Bureau of Food Inspection be established.

Regarding the laws against the adulteration of foods, there are plenty of laws in the Statute books of this State, but there has never been a method found to enforce them, nor do the laws themselves provide for the method of enforcement.

To successfully enforce State laws against the adulteration of foods, a central organized State body or State Commission is required. Hence, in order to successfully carry on the work so as to benefit the whole State requires the concentration of efforts into the hands of State officers backed by legal machinery through the Attorney-General's office. The entire work of proceeding against the adulteration of foods of all kinds placed in the hands of such officers should be sustained by the law, making it the duty of the Attorney-General's department and the different District Attorneys to act as the agents of the State in the prosecution of violators of the law. This department has so far maintained the principle that the law will and shall be enforced. In doing this work for the emancipation of this city and State from one of its greatest evils, drastic, arbitrary and determined efforts were and are still absolutely necessary. The most formidable evil that confronts us is food adulteration. It is a menace to every industry of the farm or of the orchard, and I desire to quote the following from the report of the committee in the United States Congress on the question of our financial depression:

"The agricultural depression is still further augmented by food adulteration, which adds millions annually to the farmers' losses. The necessity of State food inspection demonstrates itself from the fact that dealers convicted in San Francisco may have branches in other sections of the State where the same brands condemned by our local Board are offered for sale and where we have no jurisdiction. Such a case was that of Wm. Cline, of 949 Market street, who had a branch in Los Angeles. After conviction here he was obliged to close his business in this city and concentrate his interests in the Los Angeles branch.

The case of the United States vs. Dockery, regarding the shipment of adulterated brandy through the United States Custom House to Europe, is of such recent occurrence that comment is hardly necessary; but suffice it to say that every possible step has been taken so far, and every possible means will be employed, to prevent future shipments of a like nature.

It must not, and cannot be expected that a thoroughly effective system for the protection of our citizens against the nefarious practices of some of our home manufacturers can be accomplished in a day or a year; but with the limited means at their command the Board of Health are certainly to be commended for the work already done. Each month and each day brings a new experience in the course of our duties and this, coupled with the study of reports of States where they have been fighting impure and adulterated food for years, will in the near future place this department of the city government in a position to formulate a system which shall stand not only as a model for our sister States, but shall be as complete and thorough a protection to those within our own borders, so far as home food and consequent health is concerned, as any extant. Hence I would respectfully call your attention to the necessity of my letter of June 24, 1897, which is as follows:

"San Francisco, June 24, 1897.

*To the Honorable the Board of Health—*

"Gentlemen: Recognizing the importance of the Pure Food movement to this city and State, which has brought this city into prominence throughout the Pacific Coast, I also recognize that the encouragement or crippling of this department rests with the Board of Supervisors of this city, I would refer you to Section 3009 of the Political Code of this State, which permits the Board of Health to appoint such employees as they may deem necessary, and commands the Auditor to audit it, and the Treasurer to pay warrants drawn for such appointees, so that if a deficiency exists it will have to be made up out of the General Fund.

"I have divided my statement into three distinct branches and schedules, and in Schedule "B" I have included an assistant attorney, for without his advice and assistance our work will not be effective. In making up these schedules I have borne in mind that the public health is paramount to all other considerations."

## SCHEDULE A.

MILK INSPECTION.	PER ANNUM.	TOTAL.
Station No. 1, Ferry—2 Inspectors day and night, at \$75 per month. . .	\$1,800 00	
Station No. 2, Fourth and Berry—2 Inspectors day and night, at \$75 per month.....	1,800 00	
Station No. 3, Alabama street—4 Inspectors day and night, at \$75 per month.....	3,600 00	
Station No. 4, Geary and Central avenue—2 Inspectors day and night, at \$75 per month.....	1,800 00	
Four outside Inspectors, taking milk samples at random around the city, at \$75 per month.....	3,600 00	\$12,600 00
SUPPLIES AND MAINTENANCE.		
Rent and gas (Stations), at \$75 per month.....	\$900 00	
Printing and Inspectors' books, at \$75 per month.....	900 00	
Stationery, etc, at \$75 per month.....	900 00	
Telephones (four Stations), at \$30 per month.....	360 00	
Printing sundry reports, tally sheets, etc., at \$50 per month.....	600 00	
Sundry expenses, including sulphuric acid, bottles, labels, etc., at \$50 per month.....	600 00	
Transportation (buggies for outside Deputies), at \$50 per month.....	600 00	4,800 00
Total.....		\$17,400 00

## SCHEDULE B.

DEPARTMENT OF FOOD INSPECTION AND LABORATORY.	PER ANNUM	TOTAL.
Chief Food Inspector, at \$200 per month.....	\$2,400 00	
Two Assistant Food Inspectors, at \$125 per month.....	3,000 00	
Clerk to Food Department, at \$100 per month.....	1,200 00	
Assistant Attorney, at \$200 per month.....	2,400 00	
Two outside purchasing Inspectors, at \$60 per month .....	1,440 00	
Chief Chemist, at \$150 per month.....	1,800 00	
Four Assistant Chemists, at \$75 per month.....	3,600 00	
Microscopist, at \$100 per month.....	1,200 00	
Janitor, at \$60 per month.....	720 00	
Typewriter, at \$60 per month.....	720 00	
Messenger, at \$50 per month.....	600 00	
		\$19,680 00
SUPPLIES AND MAINTENANCE.		
Purchase of supplies, at \$50 per month.....	\$500 00	
Replenishing instruments, breakage, bottles, tubes, etc.—Chemical Laboratory—at \$50 per month.....	600 00	
Stationery and printing, at \$25 per month .....	300 00	
Telephone, at \$7.50 per month.....	90 00	
Transportation on buggy hire on inspection, at \$50 per month.....	600 00	
Incidental expense, at \$25 per month.....	300 00	
		2,490 00
Permanent improvement—Increase plant for Chemical Laboratory and Microscopist.....		1,500 00
Total.....		\$22,830 00

## SCHEDULE C.

VETERINARY AND CATTLE DEPARTMENT.	PER ANNUM.	TOTAL.
Veterinary Surgeon, at \$150 per month.....	\$1,800 00	
Six Dairy Inspectors (investigating condition of all dairies and cow ranches in the country). at \$75 per month.....	5,400 00	
Four Cattle Inspectors (administering the tuberculin test to cattle), \$100	4,800 00	\$12,000 00
SUPPLIES AND MAINTENANCE.		
Rent of quarantine slaughter-house, at \$25 per month .....	300 00	
Vaqueros (caring for cattle, etc.), at \$50 per month.....	600 00	
Feed and expenses, at \$50 per month.....	600 00	
Printing and stationery, at \$25 per month. ....	300 00	
Cost of instruments and hypodermic needles, thermometers, etc., at \$50 per month .....	600 00	
Transportation for six Dairy Inspectors, at \$150 per month.....	1,800 00	
Incidental expenses, at \$25 per month.....	300 00	4,500 00
Total.....		\$16,500 00



## RECAPITULATION.

	AMOUNT.	TOTAL.
Schedule A--Milk Inspector.....	\$17,460 00	
Schedule B--Food Inspector and Laboratory .....	21,570 00	
Schedule B--Permanent increase Laboratory.....	1,500 00	
Schedule C--Veterinary and Cattle Department.....	16,500 00	
Total.....		\$57,030 00

Language to me is inadequate to express at this time the beneficial results that will accrue from a successful consummation of this crusade, and I can assure you, gentlemen, that as long as the present Board of Health has the matter in charge there will be no relaxation in their efforts until we can guarantee the public that the adulteration of foods is a thing of the past.

And now, in conclusion, I desire to say to the consumer, the manufacturer, the press and the Courts, co-operate with us, and the day is not far distant when our products will be sought from the markets of the world.

All of which is respectfully submitted.

Very respectfully, your obedient servant

JAMES P. DOCKERY,  
Chief Food Inspector.

NOTE--For List of Samples of Food Inspected, Reports on Analyses, Arrests and Disposition of Cases, see Appendix.

## FOOD INSPECTORS' REPORT.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I herewith submit a report in full of the work done at the four Milk and Food Stations, from the date of their opening, November 11, 1896, up to June 30, 1897 :

STATION No. 1--CLAY-STREET WHARF.

J. S. REGAN..... Deputy Food Inspector.

HARRY O'DONNELL..... Deputy Food Inspector.

MONTH.	WAGONS INSPECTED.		MILK INSPECTED.	
	Number.	Total.	Gallons.	Total.
1896- November.....	2,170		86,840	
December.....	3,555		130,200	
1897-January.....	2,727		236,651	
February.....	2,571		222,191	
March.....	2,900		218,645	
April.....	2,636		266,492	
May.....	2,970		295,086	
June.....	2,872		265,623	
Total.....		22,161		1,751,121

# FOOD INSPECTORS' REPORT.

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## STATION No. 2—CORNER BERRY AND FOURTH STREETS.

JOSEPH LEHANEY.....Deputy Food Inspector.  
J. H. BREEZE.....Deputy Food Inspector.

MONTH.	WAGONS INSPECTED.		MILK INSPECTED.	
	Number.	Total.	Gallons.	Total.
1896—November .....	972		51,219	
December.....	1,457		76,880	
1897—January .....	1,511		77,808	
February.....	1,467		70,518	
March .....	1,636		74,816	
April.....	1,593		75,128	
May.....	1,579		77,774	
June.....	1,560		76,356	
Total.....		11,775		530,499

## STATION No. 3—ARMY AND ALABAMA STREETS.

BEN HANLON.....Deputy Food Inspector.  
ANDREW HARRIGAN.....Deputy Food Inspector.  
THOMAS McENROE.....Deputy Food Inspector.  
EDWARD TUMALTY.....Deputy Food Inspector.

MONTH.	WAGONS INSPECTED.		MILK INSPECTED.	
	Number.	Total.	Gallons.	Total.
1896—November.....	7,564		300,045	
December.....	11,346		450,089	
1897—January .....	11,303		482,811	
February.....	10,472		446,020	
March.....	11,776		501,485	
April.....	11,388		482,308	
May .....	11,981		500,295	
June.....	11,670		482,049	
Total .....		87,500		3,645,102

## HEALTH OFFICER'S REPORT.

## STATION No. 4—GEARY STREET AND CENTRAL AVENUE.

GEO. W. DAVIS.....Deputy Food Inspector.

L. M. MARTINET.....Deputy Food Inspector.

MONTH.	WAGONS INSPECTED.		MILK INSPECTED.	
	Number.	Total.	Gallons.	Total.
1896—November .....	992		23,546	
December.....	1,483		35,898	
1897—January .....	1,458		34,612	
February.....	1,419		33,281	
March, .....	1,519		36,256	
April .....	1,399		35,355	
May.....	1,423		35,705	
June.....	1,338		33,124	
Total.....		11,041		267,777

## RECAPITULATION.

Total number wagons inspected..... 132,477

Total number gallons milk inspected..... 6,244,490

NOTE—For Inspectors' Record of Milk Cases, see Appendix.

CITY CHEMIST'S REPORT.

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SAN FRANCISCO, August 30, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I beg to present the following report on the analytical work by your Chemical department during the past year, from the time that the laboratory was instituted about the second week of December, 1896, up to June 30, 1897.

The first report comprised 31 samples of Tomato Catsup, of which 2 only were free from antiseptics, the remainder were found to contain either salicylic acid or boracic acid, and 16 were colored with aniline dyes.

In connection with this subject it may perhaps be well to state that inasmuch as the greater number of the samples were very liquid and deficient in tomatoes, your Honorable Body had adopted a standard requiring all tomato catsups to contain 20 per cent. of total organic solid, including the ash, a matter that does not seem to be known in general by manufacturers.

## LIST OF TOMATO CATSUPS AND THEIR ADULTERATIONS.

No.	DESCRIPTION OF SAMPLE.	ADULTERATION	COLOR.
1	Van Camp's Pure, Cincinnati, O.....	Salicylic acid....	Coal tar color.
2	Uncle Tom's Home Made, Western Preserve Co., S. F.....	Salicylic acid....	Coal tar color.
3	Smith's Cash Store, San Francisco.....	.....	Coal tar color.
5	Curtis Bros., New Label, Rochester, N. Y.....	Salicylic acid....	.....
6	.....	Pure.....	.....
7	Snider's Home Made, Cincinnati, Ohio.....	Salicylic acid....	.....
8	The Best, J. O. Schimmel & Co., Philadelphia.....	Salicylic acid....	Coal tar color.
9	Fischer Packing Co., San Francisco.....	Salicylic acid....	Coal tar color.
10	H. J. Heinz & Co. (Keystone), Pittsburg.....	Salicylic acid....	Coal tar color.
11	Connoisseur, Camden, N. Y.....	Salicylic acid....	Coal tar color.
12	Mau, Sadler & Co., Bar Brand.....	Salicylic acid ..	Coal tar color.
13	Bar Harbor, (location unknown).....	Salicylic acid....	Coal tar color.
14	Saunders' Star; Saunders, San Francisco.....	Salicylic acid....	.....
15	Stutz Bros., Perfection, San Francisco.....	Salicylic acid....	.....
16	S. C. Hazard & Co., Shrewsbury, N. Y.....	Formalin.....	.....
17	Lewis Packing Co., San Francisco.....	Salicylic acid....	Coal tar color.
18	Atlantic Packing Co., Camden, N. Y.....	Salicylic acid....	.....
19	.....	Pure.....	.....
20	Cutting Packing Co., San Francisco.....	Salicylic acid....	.....
21	Irvine Bros., New Process, San Francisco.....	Salicylic acid....	.....
22	High Grade Catsup, (name not known).....	Salicylic acid....	.....
23	Superior Catsup, Fabian Bros., San Francisco.....	Salicylic acid and Borax .. ..	Coal tar color.
24	Golden Star, Tillman & Bendel, San Francisco.....	Salicylic acid ..	.....
25	Extra Fine, Phil. Manf. Co., San Francisco, Cal.....	Salicylic acid....	.....
26	Pacific Marine Supply Co., City and County Hospital.....	Salicylic acid....	Coal tar color.
39	.....	Pure.....	.....
42	New Process, John Loeffler, San Francisco, Cal.....	Salicylic acid ..	Coal tar color.
91	Wm. Cluff & Co., San Francisco.....	Salicylic acid....	Coal tar color.
141	Maas Packing Co., 1421 Valencia St., San Francisco.....	Salicylic acid.... Boric acid	Coal tar color.
212	Columbia Catsup, Mullen-Blackledge Co., Indianapolis	Salicylic acid....	Coal tar color.

## CONDENSED MILK AND EVAPORATED CREAM.

Under this head are classed preparations which consist of cows' milk condensed with or without the addition of sugar, and therefore should represent the constituents of pure milk, both qualitatively and quantitatively in a concentrated form.

When sugar is added it is then usually called condensed milk; when it is omitted it is then known as evaporated cream, although made from milk.

On referring to the tabulated analysis given below, it will be seen that the nutrient qualities of some of the samples are greatly at variance. Out of 14 samples, 7 present approximately pure condensed milk, representing a standard of about three parts of pure milk condensed to one part. The remainder seems to have been made either from skim-milk or milk which was very poor in butter fat. We feel gratified to announce that manufacturers are making laudable efforts to bring their condensed milk up to a uniform standard.

Number .....	DESCRIPTION OF SAMPLE.	Water.....	Butter Fat....	Albuminoids .	Milk Sugar...	Cane Sugar ..	Ash.....
29	Howells' Evaporated Cream .....	69.28	3.32	11.14	9.28	.....	1.98
34	Highland Evaporated Cream. ....	69.55	3.35	8.75	11.14	.....	1.69
51	St. Charles Evaporated Cream.....	70.14	3.34	9.39	10.60	.....	1.53
89	Lily Brand Sterilized Cream.....	72.69	3.88	7.64	9.35	.....	1.44
44	Monroe Concentrated Cream. ....	73.05	4.93	8.86	11.51	.....	1.65
40	"99" Evaporated Cream.....	74.80	6.20	8.93	8.80	.....	1.27
35	Challenge Brand Condensed Milk.....	24.56	6.82	16.62	15.95	34.05	2.00
37	Gail Borden Brand Condensed Milk . . . .	22.93	8.92	10.22	19.94	36.00	1.99
54	Champion Condensed Milk.....	29.22	6.23	12.25	12.25	36.00	4.00
57	Rose Brand Condensed Milk.....	28.13	8.00	11.64	10.85	39.60	1.78
80	Tip Top Condensed Milk.....	22.72	6.64	11.55	11.55	45.29	2.25
87	American Brand Condensed Milk . . . . .	18.71	6.81	24.15	24.21	24.34	1.78
83	Magnolia Brand Condensed Milk. ....	27.69	3.87	11.63	11.63	43.41	1.77
31	Rose Brand Condensed Milk. . . . .	28.13	8.00	11.64	10.85	39.60	1.78
190	Ocean Brand Condensed Milk. . . . .	68.91	7.91	9.18	12.55	.....	1.45
193	Imperial Brand Cream.....	.....	11.68	.....	.....	.....	.....

## FRUIT JELLIES, JAMS AND MARMALADES.

These preparations, if they are properly made and from the best materials, stand highly as delicacies, as articles of food.

The analytical data of this report shows that in no line of food products has adulteration and substitution been carried on to such an alarming extent.

Of 87 samples analyzed, 28 only had the chance of being called pure, 20 were adulterated and 39 fraudulent substitutes. A majority of those, although passed as pure jellies, made from their respective fruits, were not made from choice fruit; some were made from immature fruit, some from over-ripe fruit that had already passed into a state of incipient putrefaction.

Then jellies that had through excessive and prolonged boiling lost much of their delicate flavor and their natural color, assuming a more or less orange off-color.

## HEALTH OFFICER'S REPORT.

No. of Sample.	FROM WHOM PURCHASED.	DESCRIPTION OF SAMPLE.	RESULTS OF ANALYSES.
81	Martin, Feusier & Co., 309 Clay, S. F....	Currant Jelly; put up in 25-pound pails. Said to be made in St. Louis. Label on pail mutilated.....	Is made from apple jelly and starch paste. Contains acetic acid, and is colored with aniline dye. It is not currant jelly.
82	C. F. Whitney & Co., cor. Sacramento and Davis.....	Currant Jelly; put up in 25-pound pails. The New Jersey Preserving Co., Camden, N. Y.....	Is made from apple jelly and glucose. Contains acetic acid, and is colored with coal tar colors (kaleme). It is not currant jelly.
83	Getz Bros., sole agents, 111 California..	Currant Jelly; put up in 25-pound pails. Labeled as absolutely pure and made from selected fruit.....	Is made from apple jelly and glucose; contains only a small amount of cane sugar and is colored with coal tar color. It is not currant jelly.
85	Dairyman's Union, Dairy Produce, 113 Davis.....	Currant Jelly; put up in 25-pound pails. Star Preserving Co., Oxnard, N. Y.....	Is made from apple jelly; contains both glucose and cane sugar, and is colored with coal tar colors. It is not currant jelly.
99	William Chino & Co., 949 Market.....	Melrose Currant Jelly (glass jar). Wellman, Peck & Co., San Francisco.....	This jelly is a mixture of pure 2.5 currant jelly with 3.5 apple jelly. It is adulterated currant jelly.
97	.....	.....	Is pure currant jelly.
103	Emporium, Market street.....	Currant Jelly (tin can). Solar Brand. Wm. Sanford & Co., San Francisco.....	Is currant jelly adulterated with starch.
101	A. Quade & Co., 626 Market.....	Currant Jelly (glass jar). N. Goelzen, San Francisco....	This jelly is composed of 4.5 of pure currant jelly and 1.5 of apple jelly. It is therefore adulterated currant jelly.
105	.....	Currant Jelly (glass jar).....	Is pure currant jelly.



No. of Sample.	FROM WHOM PURCHASED.	DESCRIPTION OF SAMPLE.	RESULTS OF ANALYSES.
109	Smith's Cash Store, 21 Market.....	Fidelity Brand, California Currant Jelly (tin can). Smith's Cash Store, San Francisco.....	This sample consists of $\frac{1}{4}$ of currant jelly and $\frac{3}{4}$ of apple jelly. It is adulterated currant jelly.
110	.....	Currant Jelly (tin can).....	Pure currant jelly.
111	.....	Currant Jelly (glass jar).....	Is pure currant jelly.
174	Jacobs & Christie, 310 Sixth.....	Currant Jelly (tin can). Made from choice California fruit. Star Brand.....	This jelly is nothing but apple jelly artificially colored. It is not currant jelly.
172	Johnson Bros., 318 Sixth .....	Currant Jelly (glass jar). Pacific Coast Syrup Co., 713 Sansone street, San Francisco.....	This jelly is simply apple jelly artificially colored. It is not currant jelly.
171	Johnson Bros., 318 Sixth.....	Currant Jelly (tin can). Cutting Packing Co., San Francisco.....	This jelly consists of $\frac{1}{2}$ of pure currant jelly and $\frac{1}{2}$ apple jelly. It is an adulterated currant jelly.
169	Solomon Bros., 296 Sixth.....	Solar Brand (tin can). Currant Jelly. Green, Sanford & Co., San Francisco.....	It consists of $\frac{1}{4}$ of pure currant jelly and $\frac{3}{4}$ of apple jelly. It also contains starch. It is an adulterated currant jelly.
164	.....	.....	Pure currant jelly.

## HEALTH OFFICER'S REPORT.

No. of Sample.	FROM WHOM PURCHASED.	DESCRIPTION OF SAMPLE.	RESULTS OF ANALYSES.
163	.....	.....	Pure currant jelly.
162	.....	.....	Pure currant jelly.
161	.....	.....	Pure currant jelly.
160	Geo. Shoemaker, Fourth and Bryant...	Currant Jelly (glass jar). Cutting Packing Co., San Francisco.....	This jelly consists of $\frac{1}{2}$ of pure currant jelly and $\frac{1}{4}$ of apple jelly. It is currant jelly adulterated.
159	Geo. Shoemaker, Fourth and Bryant...	Currant Jelly (tin can). Alvarado Packing Company, Alvarado, Cal.....	This jelly is nothing but apple jelly artificially colored. It is not currant jelly.
157	.....	.....	Is pure currant jam.
154	T. J. Norton, 337 Fourth.....	Currant Jelly (glass jar).....	This jelly is apple jelly, colored artificially, and contains starch. It is not currant jelly.
146	Dick von der Meulen, 4th & Mission...	Currant Jelly (glass jar).....	Is apple jelly artificially colored. It is not currant jelly.
139	Irvine Bros., 421 Stockton.....	Home Made Pure Fruit Jelly (glass jar). Currant.....	Decomposed by fermentation. Not fit to be analyzed.
136	Stolz Bros., 522 Montgomery ave.....	Currant Jelly (glass jar).....	Is apple jelly colored with aniline red. It is not currant jelly.
135	F. Mechi & Co., 733 Montgomery ave...	Paragon Currant Jelly (glass jar). Temescal Packing Co., Oakland Cal.....	Is apple jelly, artificially colored. It is not currant jelly.

No. of Sample.	FROM WHOM PURCHASED.	DESCRIPTION OF SAMPLE.	RESULTS OF ANALYSES.
128	Sbarboro & Co., 531 Washington.....	Currant Preserve (glass jar).....	Is made from apple jelly and colored artificially. Is not made from currants.
119	Kavanaugh & Co., 402 Third.....	Golden State Currant Jelly (tin can). Tillman & Bondel, San Francisco.....	This jelly consists of 1-5 of pure currant jelly and 4-5 of apple jelly. It is an adulterated currant jelly.
118	John N. Nolan, 318 Third.....	Golden Star Currant Jelly (tin can). Tillman & Bondel, San Francisco.....	This jelly consists of 1-5 of pure currant jelly and 4-5 of apple jelly. It is adulterated currant jelly.
117	Eliot Bros., 302 Third street. ....	Rose Brand Currant Jelly (tin can).....	This is apple jelly artificially colored. It is not currant jelly.
113	.....	.....	Is pure currant jelly.
112	Goldberg, Bowen & Co., 426 Pine.....	Currant Jelly (glass jar). Bernard & Densmore Co., Los Angeles, Cal.....	This jelly consists of 1-5 of pure currant jelly and 4-5 apple jelly. It is adulterated currant jelly.
207	City and County Hospital.....	Currant Jelly. Alvarado Packing Co.....	Is made from $\frac{3}{4}$ apple jelly and $\frac{1}{4}$ currant jelly, and colored with coal tar color.
213	.....	Currant Jelly.....	Pure.
84	Pacific Coast Syrup Co., 713 Sansome..	Strawberry Jelly, put up in 25-pound pails. Royal Brand.....	Is made from apple jelly and glucose and a small amount of cane sugar, and is colored with coal tar coloring. It is not strawberry jelly.
6	.....	Strawberry Jelly (glass jar).....	This sample is pure strawberry jelly.

No. of Sample.	FROM WHOM PURCHASED.	DESCRIPTION OF SAMPLE.	RESULTS OF ANALYSES.
98	.....	.....	Is pure strawberry jelly.
101	Emporium, Market street.....	Star Strawberry Jelly. F. Saunders, San Francisco .....	Is apple jelly artificially colored.
129	Kavanaugh & Co., 402 Third.....	Paragon Strawberry Jelly. Temescal Packing Co., Oakland .....	Is apple jelly artificially colored and adulterated with starch.
126	Sharboro & Co., 531 Washington.....	Strawberry Jelly.....	Is apple jelly artificially colored.
176	H. Wolf & Co., 1324 Market.....	Columbus Brand, Strawberry Jelly. Pontana & Co., San Francisco.....	Is apple jelly colored with coal tar color (Fuchsine).
138	Irvine Bros., 1121 Stockton.....	Warranted Pure Strawberry Jelly. F. Saunders, San Francisco.....	It consists of $\frac{1}{2}$ of strawberry jelly and $\frac{1}{2}$ of apple jelly
156	Lunsmann Bros., Fourth and Harrison.....	Strawberry Jelly. Cutting Packing Co.....	Consists of $\frac{2}{3}$ of strawberry jelly and $\frac{1}{3}$ of apple jelly.
152	John Dyer, 244 Fourth.....	Golden Star Strawberry Jelly. Tithman & Bendel, San Francisco.....	Is strawberry jelly; contains starch and coal tar color (Fuchsine.)
205	C. S. Tredell, 1222 Howard.....	Strawberry Jelly. Cutting Packing Co.....	Is made of apple jelly and starch jelly, colored with coal tar color.
100	.....	Raspberry Jam.....	Pure.
102	.....	Raspberry Preserve.....	Pure.
111	John Fisher, 112 Third.....	Raspberry Jelly. Standard Packing Co., San Francisco.....	Is apple jelly artificially colored and adulterated with starch.
115	Montgomery & Co., 120 Third.....	Raspberry Jelly. Cutting Packing Co., San Francisco.....	Is apple jelly artificially colored and adulterated with starch.

No. of Sample.	FROM WHOM PURCHASED.	DESCRIPTION OF SAMPLE.	RESULTS OF ANALYSES.
116	De Witt & Co., 221 Third.....	Raspberry Jelly. Cutting Packing Co.....	Is apple jelly artificially colored and adulterated with starch.
122	Kavanaugh & Co., 402 Third.....	Star Raspberry Jelly. F. Saunders, San Francisco.....	Consists of 1-5 raspberry jelly and 4-5 apple jelly.
129	Cluff Bros., 9-11 Montgomery ave.....	Raspberry Jelly. Code, Elfeldt & Co., San Francisco...	Is apple jelly artificially colored.
130	Henry Stelling, Vallejo and Stockton..	Raspberry Jelly. Cutting Packing Co., San Francisco..	Is apple jelly artificially colored.
134	.....	Raspberry Marmalade.....	Is pure raspberry marmalade.
137	.....	Raspberry Preserves.....	Is pure raspberry preserve.
141	Pear & Buckley, 1311 Stockton.....	Raspberry Jelly. F. Saunders, San Francisco.....	Is apple jelly artificially colored.
142	Meyer & Kohn, 105 Stockton.....	Epicurean Raspberry Jelly. Tillman Canning Co., Oakland, Cal.....	Compounded with raspberry and apple jelly and adulterated with starch.
147	Dick von der Mehden, Fourth & Mission	Raspberry Jelly.....	Is apple jelly colored with coal tar colors.
149	Co-operative Temperance Co., 122 4th..	Raspberry Jelly. Cutting Packing Co., San Francisco..	Is apple jelly artificially colored.
150	F. C. Kaufmann, 220 Fourth.....	Paragon Raspberry Jelly. Tenesca Packing Co.....	Is raspberry jelly adulterated with starch and coal tar color.
155	M. A. Marron, 334 Fourth.....	Alvarado Raspberry Jelly. Alvarado Packing Co., Alvarado, Cal.....	Is apple jelly colored with coal tar coloring (Fuchsin).
166	Wm. Beckman, 458 Sixth.....	Raspberry Jelly. Code, Elfeldt & Co., San Francisco..	Is apple jelly artificially colored with coal tar color (Fuchsin).
173	Johnson Bros., 318 Sixth.....	Raspberry Jelly.....	Is apple jelly artificially colored.
121	.....	Blackberry Jelly.....	Is pure blackberry jelly.

No. of Sample.	FROM WHOM PURCHASED.	DESCRIPTION OF SAMPLE.	RESULTS OF ANALYSES.
143	.....	Blackberry Marmalade.....	Is pure blackberry marmalade.
151	F. C. Kaufman, 220 Fourth.....	Paragon Blackberry Jelly. Tenesca Packing Co., Oakland.....	Is $\frac{1}{2}$ of blackberry jelly and $\frac{1}{2}$ of apple jelly, colored with coal tar colors and adulterated with starch.
153	John Dryer, 244 Fourth.....	Blackberry Jelly. King Morse Canning Co., San Francisco.....	It consists of $\frac{1}{2}$ blackberry jelly and $\frac{1}{2}$ apple jelly.
157	T. B. Unsack, cor. Harriet & Brannan.....	Blackberry Jelly Cutting Packing Co.....	Is apple jelly artificially colored.
158	Lunsmann Bros., Fourth & Harrison.....	Paragon Blackberry Jelly. Tenesca Packing Co., Oakland.....	Is apple jelly artificially colored.
166	A. Quade & Co., 636 Market.....	Lemon Jelly. San Jose Fruit Packing Co., San Jose.....	Is made from starch jelly and tartaric acid, colored and flavored.
124	.....	Marmalade.....	Pure marmalade.
125	.....	Marmalade, orange and lemon.....	Pure orange and lemon marmalade.
131	.....	Paragon Lemon Jelly. Tenesca Packing Co., Oakland.....	Not lemon jelly; is compounded of starch jelly and tartaric acid.
132	Roth & Wolf, 1423 Powell.....	Golden Star Lemon Jelly. Tillman & Bendel, San Francisco.....	Consists principally of starch jelly and tartaric acid; contains some lemon.
133	Faust E. Macherini, 718 Greenwiel....	Orange Jelly.....	Not orange jelly; made of starch jelly and tartaric acid
148	.....	Orange Marmalade.....	Pure orange marmalade.
168	Henry Hartze, 731 Brannan.....	Golden Star Lemon Jelly. Tillman & Bendel, San Francisco.....	Is made of starch jelly and tartaric acid.

No. of Sample.	FROM WHOM PURCHASED,	DESCRIPTION OF SAMPLE.	RESULTS OF ANALYSIS.
170	Solomon Bros., 396 Sixth.....	Orange Jelly.....	Is apple jelly with tartaric acid.
140	Irvine Bros., 1421 Stockton.....	Quince Jelly, Cutting Packing Co., San Francisco.....	Is quince jelly adulterated with starch.
165	Sturken & Hollings, Third and Brannan .....	Quince Jelly, Cutting Packing Co.....	Is quince jelly adulterated with starch.
127	.....	Plum Jelly.....	Is pure plum jelly.
175	.....	Apple Jelly.....	Is pure apple jelly.
108	.....	Grape Jelly from Pure Fruit Juice.....	Is pure grape jelly.
107	.....	Guava Jelly.....	Is pure guava jelly.
86	Harter, Hayes & Co., 216 Front.....	Jelly, in pail of 25 pounds. No label in full to show kind of jelly—evidently removed to conceal its source. Sold for Onetta Jelly.....	Made from apple jelly; contains a large proportion of glucose and is colored with coal tar colors. It is not either currant, raspberry, strawberry or blackberry jelly.

## HONEY.

Pure honey when removed from the cells of the honey-comb is liable to candy, that is, the sugars of the honey crystallize, the honey becoming solid and in this condition unsaleable. In order to prevent this candying, dealers add usually about 20 per cent. of either glucose or cane sugar syrup. As these additions can be considered harmless adulterations, such additions might be allowed with the proviso that such percentage of added glucose or cane sugar syrup be plainly so stated on the label.

Of fifteen samples of Honey analyzed seven of these (Nos. 30, 33, 36, 38, 41, 53 and 59) were pure.

The following brands were found to be adulterated.

No. 32.—Pure San Diego Honey. Honey mixed with cane sugar syrup.

No. 43.—Pure Los Angeles Honey. Honey mixed with cane sugar syrup, watered.

No. 50.—Honey, source unknown, contains cane sugar syrup.

No. 55.—Pure White Clover Honey is nearly all glucose.

No. 56.—Honey, source not indicated. Not pure; honey mixed with glucose.

No. 58.—Pure San Diego Honey. Honey mixed with cane sugar syrup, and watered.

## ANALYTIC MISCELLANIES.

## RASPBERRY SYRUP.

No. 78.—Compound Raspberry Syrup, made from cane sugar syrup and glucose, colored with fuchsine (aniline dye). It contains no raspberries.

No. 214.—Raspberry Syrup. Pure.

Much of the raspberry syrup sold is not raspberry syrup; the fraudulent forms the rule, the pure the exception.

## COW'S MILK.

No. 187.—City and County Hospital—Sp. Gr., 1.035; Fat, 3.29; Solids not fat, 9.44.

No. 188.—City and County Hospital—Sp. Gr., 1.030; Fat, 6.38; Solids not fat, 8.68.

No. 187 represents normal cows' milk, fully up to the standard.

No. 188 shows a milk very rich in butter fat.

No. 219.—Hominy. Contains no metallic or organic poisons.

No. 184.—Paskola, a flesh forming and artificially-digested food; the Predigested Food Co., No. 30 Reade street, New York. It consists of commercial glucose with a small quantity of acid phosphate of lime. A trade fraud.

No. 90.—City and County Hospital—Claret Wine. A young wine, not adulterated.

Respectfully submitted,

W. T. WENZELL.



## REPORT OF CITY BACTERIOLOGIST.

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San Francisco, July 27, 1897.*To the Honorable the Board of Health—*

Gentlemen: Herewith I have the honor of submitting the second annual report from the Bacteriological Department:

The most important feature in this department has been the establishment of a fully-equipped laboratory in one portion of the room allotted by the City Hall Commissioners for the purposes of the Food Inspection Station. This has placed the efficiency of this branch of the Health Department upon the highest plane. In logical sequence comes the establishment of a system of greater accuracy in the diagnosis of certain of the zymotic diseases. In accordance with instructions received from your Honorable Body, a system has been put in force by which the physicians of this city and county are enabled to procure sterilized swabs at convenient drug stores, a list of which has been mailed to every practicing physician. Accompanying these swabs are explicit, printed directions as to their use and the disposition to be made of the same. Several different leaflets, explaining the objects to be attained, have been likewise mailed to the medical profession. This system has been for the purpose of enabling the medical profession to learn accurately, the nature of such cases of suspicious acute throat-affections, as between diphtheria, and other diseases not diphtheria—in the former case a very rigid quarantine being necessarily enforced upon the household so infected, and in the latter case, not; the acts of the Health Inspectors in each instance being governed by the report of the Bacteriologist. This system has been modeled after that adopted by the Health Boards of each of the greater cities of the country, and recommended by the highest authorities on these subjects. As evidence of the gap which has been filled by the adoption of this system, repeated commendatory reports have been received from the members of the medical profession of the city. Strange to relate, there is a certain indifference to—it cannot be ignorance of—the advantage of this system on the part of certain of its members of the profession. Death certificates are sent in and cases reported at the Health Office of diphtheria of which we have no knowledge from a bacteriological examination, and in which we are certain that no bacteriological examination has been made otherwise.

The inaccuracy of such methods works a hardship to the members of a family so afflicted, beside affecting the statistics of the Health Department. It is to be hoped that some means of enforcing uniformity in the tabulation of such cases under their proper heading will form part of our municipal ordinances at an early date.

The effectiveness of the Department of Food Inspection has been heightened in certain respects by the examination of the portions of carcasses of cattle, the subjects of tuberculous disease; by the examination of various samples of suspicious milk, and by the examination of various samples of drinking water from sources of private supply in the city.

## HEALTH OFFICER'S REPORT.

TABULATED STATEMENT OF THE WORK OF THE LABORATORY.

MONTH.	THROAT INFECTIONS.				MILK EXAMINED.			WATER EXAMINED.			TISSUE EXAMINED.		
	Number of Cases Examined....	Diphtheria..	Pseudo Diphtheria.....	Other Infections.....	Number of Samples of Milk Exam'd	Tuberculous.	Non-Tuberculous.....	Number of Samples Examined..	Dangerous...	Harmless ...	Number of Specimens Examined..	Tuberculous.	Non-Tuberculous.....
1896—July .....	3	.....	.....	3	1	.....	1	.....	.....	.....	3	3	.....
August .....	2	.....	.....	2	1	.....	1	.....	.....	.....	20	20	.....
September .....	2	.....	.....	2	6	.....	6	3	1	2	.....	.....	.....
October .....	4	3	.....	1	2	.....	2	.....	.....	.....	.....	.....	.....
November .....	10	9	.....	1	4	.....	4	.....	.....	.....	.....	.....	.....
December .....	63	15	.....	48	.....	.....	.....	.....	.....	.....	.....	.....	.....
1897—January.....	38	1	.....	37	.....	.....	.....	.....	.....	.....	.....	.....	.....
February .....	29	.....	.....	29	.....	.....	.....	1	.....	.....	.....	.....	.....
March .....	43	17	.....	26	1	.....	1	.....	.....	.....	.....	.....	.....
April.....	65	13	30	22	.....	.....	.....	.....	.....	.....	.....	.....	.....
May.....	36	4	23	9	.....	.....	.....	1	1	.....	.....	.....	.....
June.....	18	3	11	4	1	.....	1	1	.....	1	.....	.....	.....
Totals.....	313	65	61	181	16	.....	16	5	2	3	33	33	.....
Percentage..	.....	90.76	20.45	58.79	.....	.....	100	.....	40	60	.....	100	.....

The appointment of an assistant by your Honorable Body has greatly increased the effectiveness of the Laboratory in all respects.

When it shall be made possible for your Honorable Board to enforce the regulation relative to the reporting of contagious and infectious diseases to the Health Office, it will be in order to place the services of the Laboratory at the disposal of the medical profession, through the Bacteriologist, in the matter of the diagnosis of typhoid and tuberculosis by methods recognized as being reasonably accurate.

Trusting to be the means of still further enhancing the efforts of your Honorable Board in the Department of Bacteriology and Pathology, I am

Very respectfully yours

JOHN C. SPENCER, M. D.,  
City Bacteriologist.

## REPORT OF VETERINARY SURGEON.

San Francisco, July 1, 1897.

*To the Honorable Board of Health  
Of the City and County of San Francisco—*

Gentlemen: I respectfully present the following work performed by the Veterinary during the year commencing July 1, 1896, and ending July 1, 1897:

WORK ACCOMPLISHED.	NUMBER.
Number of dairies inspected.....	152
Number of cattle tested with tuberculin.....	199
Number of cattle condemned with tuberculin test.....	61
Number of cattle killed.....	51
Number of cattle treated as suspects.....	22
Number of cattle inspected.....	8,391
Number of cattle condemned.....	89
Number of cattle showing symptoms of tuberculosis.....	1,049
Number of horses inspected for glanders.....	16
Number of horses killed with glanders.....	4

The prevalence of tuberculosis in our dairy herds at once prompts the urgent necessity of its eradication, and in presenting the foregoing report to your Honorable Body, I am desirous of calling your attention to the large percentage of consumptive cows which are present in our dairies, even to an external physical examination. That the disease is prevalent to a greater extent than can be ascertained by such limited examination is demonstrated by the results of our tuberculin tests. The subject of tuberculosis in man and its relation to the same disease in the domesticated animal has been so universally discussed that it is needless for me to dwell on what are well known facts regarding it, all being more or less familiar with the disease. Sufficient to say that the enormous fatality in consumption in the human subject forces upon us the necessity of exerting every effort to effect its eradication. All hygienic measures are directed to fight this dread assailant of the public health, and as the dairy is the source from which the disease is to a large extent propagated, the fact at once suggests itself, that the dairy is where we should attempt to fight it. Since the disease lurks in all kinds and conditions of animals, fat or lean, well or ill kept, we cannot but feel exultant at the fact that a most valuable assistant has been applied which enables us to detect the disease no matter what conditioned animal may be its host. That the tuberculin test is a most reliable factor in the detection of tuberculosis is a recognized fact. Of about two hundred autopsies performed by me, by means of the tuberculin test upon animals condemned and slaughtered during my work for your Honorable Board, not one has failed to present lesions of tuberculosis. Since the present crusade upon the dairies commenced it has been the means of producing a great decrease in the number of sick cows in our dairies, as all the dairymen are making every effort to have nothing but healthy cows. Since few are conversant with the mode of applying the tuberculin test I herewith subscribe a description of the method which is followed by my department during an inspection. On arriving at a dairy the cows are each given a number and accurately described, so that an exact and corresponding record may be kept. A series of eight temperatures at intervals of two hours is then taken to ascertain that the animal's condition before inoculation is normal, as frequently there may be other conditions present which cause an abnormal rise in temperature, in which case the tuberculin test would be void. After ascertaining that the animal is not suffering from any ailment which would cause an abnormal temperature, it is then inoculated. After the lapse of from six to eight hours after inoculation a series of from twelve (12) to sixteen (16) temperatures are taken at intervals of about an hour apart, a conclusion is arrived at as to whether the cow is consumptive, the diagnosis being arrived at by a rise in temperature of from three (3) to five (5) degrees. During an inspection the utmost precaution is taken that there shall be no opportunity for transmission of disease from one cow to another, as a separate thermometer is used for each cow, and no temperature taken until the thermometer has been perfectly sterilized by being placed in a strong bichloride solution of mercury. An aseptic area is prepared before inoculation, and a separate and sterilized needle is used for each and every cow. The syringes are also sterilized, and in fact no detail, no matter how slight, has been omitted that would help to make the inspection a perfect success. No greater care could be exercised in a more serious surgical operation than is used in the method of applying the test. Each animal is numbered and exactly described, so that there can be no mistakes made in the records. Those cows which are tested are tagged with a tag having the word "passed" or "condemned" upon it, as the case may be. Those tags in the ears of the cows which are passed are kept permanently there, and are evidence that the animal has been inspected and passed. Another matter, gentlemen, which I am very desirous of presenting for your consideration is the advisability of having in connection with the veterinary work a quarantine station in which could be placed animals which have already been tested and condemned awaiting slaughter, animals which are under sus-

picion of having some contagious disease, and, chief and foremost, a place where a number of animals owned by different people may be tested at the same time. As you are aware, gentlemen, there are hundreds of owners in this city and county who own from one (1) to two (2) cows, and even as many as fifteen (15) and twenty (20), and as they sell milk to their immediate neighbors there is no reason why their cows should not be inspected just as well as those cows which are owned by large dairymen. As a matter of fact these are the kind of cows from which the greater danger arises, as they usually supply some too confident neighbor with milk for the child, and the neighbor thinks that as the milk is from one or two cows it must be healthy, where, as a matter of fact, these are the worst kept and most likely to be diseased cows of any. This would facilitate the inspection, as sixty (60) or eighty (80) cows could be tested at the same time. Another fact in connection with this station is in the case of a glandered horse being kept in a stable where other horses are kept, the danger of contagion is very great, not only to other horses but to those in attendance. It would also facilitate the testing of horses under suspicion. The veterinary inspection of cows has been able to go on through the courtesy of Chief Food Inspector Dockery, who detailed for my work four (4) men, who had been collecting in various parts of the city samples of food and milk for analytical purposes, and in the event of these men being withdrawn from the dairy inspection the work will be able to go on but very slowly. To sum up what will be necessary to make this department anything like efficient, I respectfully call the attention of your Honorable Board to Schedule "B" of the report of Chief Food Inspector Dockery. All of which is respectfully submitted.

I. W. O'ROURKE, Veterinary Surgeon.

## CITY CEMETERY SUPERINTENDENT'S REPORT.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I have the honor of submitting for your consideration my annual report for the fiscal year ending June 30, 1897.

Of the several societies having burial plots in the City Cemetery, there have been interred as follows :

From Italian M. B. Society.....	130	From Grand Army of Republic.....	16
“ French “ “ .....	22	“ Colored O. F. M. B. Soc.....	1
“ German “ “ .....	18	“ Old Friends.....	1
“ Jewish “ “ .....	21	“ Select plot.....	167
“ St. Andrew's “ .....	6	“ Indigent dead.....	415
“ Russian “ .....	11	“ Chinese Six Companies.....	430
“ L. Seaman “ .....	5	“ Japanese.....	22
Total interments for the year.....		1,315	

## DISINTERMENTS.

White.....	33
Chinese.....	147
Total disinterments for the year.....	185
Reinterments.....	4

Very respectfully,

J. O'KANE,

Sup't City Cemetery.

## QUARANTINE OFFICER'S REPORT.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I have the honor to submit the following report for the fiscal year ending June 30, 1897:

MONTH.	NUMBER OF VESSELS.	DUES.	RECEIPTS.
1896.			
July .....	61	\$407 50	\$407 50
August.....	62	352 50	352 50
September .....	65	420 00	420 00
October.....	83	457 50	457 50
November.....	66	382 50	382 50
December.....	80	482 50	482 50
1897.			
January.....	53	370 00	370 00
February.....	50	310 00	310 00
March.....	62	360 00	360 00
April.....	50	305 00	305 00
May.....	54	332 50	332 50
June .....	80	505 00	505 00
Total.....	766	\$4,635 00	\$4,635 00

## HEALTH OFFICER'S REPORT.

## EXPENSES QUARANTINE DEPARTMENT FOR THE FISCAL YEAR 1896-97.

MONTHS.	Salaries.....	Rent .....	Reporting Vessels.....	Telephones.....	Water.....	Work and Materials....	Printing and Stationery.	TOTAL.
1896.								
July.....	\$495 00	\$40 00	\$20 00	\$18 75	.....	\$57 08	\$12 00	\$643 43
August.....	495 00	40 00	20 00	16 25	.....	21 10	11 50	603 85
September.....	495 00	40 00	20 00	17 58	.....	126 70	.....	699 28
October.....	495 00	40 00	20 00	20 00	.....	.....	.....	575 00
November.....	495 00	40 00	20 00	17 89	.....	100 38	17 00	690 27
December.....	495 00	40 00	20 00	16 63	.....	.....	.....	571 63
1897.								
January.....	495 00	40 00	20 00	19 67	\$30 00	19 00	.....	623 67
February.....	495 00	40 00	20 00	19 45	16 00	41 50	.....	631 95
March.....	495 00	40 00	20 00	19 78	8 00	1 50	.....	584 28
April.....	495 00	40 00	20 00	22 50	8 00	12 90	3 00	601 00
May.....	495 00	40 00	20 00	22 50	8 00	5 75	.....	591 25
June.....	495 00	40 00	20 00	22 50	8 00	57 45	.....	642 35
Totals.....	\$6,940 00	\$480 00	\$240 00	\$233 50	\$78 00	\$443 26	\$43 50	\$7,458 62

Very respectfully,

W. P. CHALMERS, M. D., Quarantine Officer.



## CITY PHYSICIAN'S REPORT.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: Permit me to herewith present the report of the City Physician for the fiscal year ending June 30, 1897.

## INDIGENT SICK.

MONTH.	Number Cases Treated .....	Sent to City and County Hospital.....	Died.....
1896—July.....	13	4	...
August.....	9	...	...
September.....	4	...	...
October.....	3	2	...
November.....	11	3	...
December.....	13	4	...
1897—January.....	24	2	...
February.....	14	2	...
March.....	21	2	...
April.....	2	...	...
May.....	19	1	...
June.....	11	5	1
Totals.....	144	25	1

Total number of cases sent to City and County Hospital..... 25

Total number of cases treated during the year..... 144

## HEALTH OFFICER'S REPORT.

## NATIVITY OF CASES TREATED.

## UNITED STATES.

New York	8	Massachusetts	7
Indiana	2	California	27
Maine	3	Kentucky	3
Washington	1	Pennsylvania	3
Maryland	1	Kansas	1
Iowa	3	Virginia	1
Ohio	3	Louisiana	1
Wisconsin	1	Illinois	2
Michigan	1	Washington, D. C.	1
Oregon	1	Total	70

## FOREIGN.

Germany	8	England	9
Poland	2	Nova Scotia	1
Norway	1	Austria	4
Lower California	1	Denmark	1
Ireland	16	Alaska	1
Canada	4	Finland	3
Russia	1	Sweden	2
France	1	Bavaria	1
Scotland	2	Unknown	3
British Columbia	1	Total	63
Belgium	1		

## PERSONS TREATED AT COUNTY JAIL No. 1.

## BROADWAY STREET.

1896—July	189	1897—January	447
August	228	February	486
September	208	March	590
October	399	April	328
November	631	May	280
December	350	June	301
Total			4,437

## DISEASES TREATED AT TWENTY-SIXTH STREET HOSPITAL.

NAME OF DISEASE.	MALE.	FEMALE.
Leprosy .....	18	2
Paraplegia .....	2	.....
Varecila.....	1	.....
<hr/>		
Total number of cases treated.....		23
Discharged.....		1
Died .....		1
Escaped.....		1
Remaining in Hospital.....		20
		<hr/> 23
Number of Patients remaining in Hospital June 30, 1896.....		16
Admitted during the year.....		7
		<hr/> 23

Respectfully submitted,

A. P. O'BRIEN, M.D.,

City Physician.

## REPORT OF THE ASSISTANT CITY PHYSICIAN AND POLICE SURGEON.

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SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health—*

Gentlemen: I herewith respectfully submit my annual report for the fiscal year ending June 30th, 1897.

The total number of cases treated at the City Receiving Hospital during the year 1896-97 was 5,753, of which 503 were insane. To this number is to be added the number of patients treated at the Park Branch Receiving Hospital, amounting to 135 cases, which makes a grand total of 5,888 cases.

The chief event during the past fiscal year was the opening of two Branch Receiving Hospitals, one at the Golden Gate Park, the other on the water front. The Park station, which began its activity on February 9th, has amply proven the necessity of an emergency hospital in that locality, and has met with universal satisfaction on the part of the public. It is but an act of duty to extend here also the Park authorities the most sincere thanks for their kindness and liberality, with which they supported the plans of the Health Department. Owing to some unforeseen delays the water front Branch Receiving Hospital could not be put into operation before the close of the fiscal year, though it was practically completed in every detail. There is no doubt that it will prove a great blessing to this most industrious portion of the city where traffic is so strong and the chances of an accident so numerous. The State Harbor Commissioners through their generosity in erecting a model hospital in the most favored portion of the water front, have merited for themselves the thankfulness of the Health Department and gratefulness of the people.

Of other improvements in the Receiving Hospital service I have yet to mention the supply of new instruments which we received in March. The acquisition of new operating rooms, furniture and of new quarters for the insane, however, remain a prime desideratum, the realization of which we must hope from the coming year. Yours, most respectfully,

DR. C. WEIL, Police Surgeon.

## DISPOSITION OF CASES.

NAME OF HOSPITAL, ETC.	NUMBER.	TOTAL.
Total number of persons admitted .....		5,753
Discharged to their homes.....	4,372	
Discharged to City Prison.....	490	
Discharged to City and County Hospital.....	325	
Discharged to Almshouse.....	34	
Discharged to Insane Asylums.....	341	
Discharged to German Hospital.....	16	
Discharged to French Hospital.....	4	
Discharged to U. S. Marine Hospital.....	19	
Discharged to St. Luke's Hospital.....	6	
Discharged to St. Mary's Hospital.....	3	
Discharged to Children's Hospital.....	7	
Discharged to Lane Hospital.....	2	
Discharged to Twenty-sixth street Hospital.....	3	
Discharged to Mount St. Joseph's Home.....	12	
Discharged to Home of Inebriates.....	3	
Died.....	94	
Brought in dead.....	15	
Remaining in Hospital.....	7	
		5,753
Prescriptions compounded for City Physician.....		123
Births (one born dead).....		13

CLASSIFIED LIST OF AILMENTS AND INJURIES TREATED AT THE CITY RECEIVING  
HOSPITAL DURING THE FISCAL YEAR ENDING JUNE 30, 1897.

Abrasions of arms, hands and fingers....	78	Bites of dog.....	64
Abrasions of body, neck and shoulder...	10	Bites of cat.....	6
Abrasions of face, head, eye and ear....	107	Bites of monkey....	2
Abrasions of feet, legs, toes and knee....	44	Bites of mouse.....	2
Abrasions of cornea.....	1	Bites of horse.....	4
Abscess of arm, hands, fingers and shoulders.....	7	Bites of centiped.....	1
Abscess of face, head, neck, ear and eye.	1	Bites of insect.....	2
Abscess of body, back, breast, buttock and spine.....	1	Bronchitis.....	4
Abscess of feet, legs, toes and groin....		Births... ..	13
Abscess of scrotum.....	1	Bursitis.....	
Abscess of mouth and jaw.....	1	Burns of head, arms, hand and fingers...	93
Abscess of axilla.....	1	Burns of body, back and buttock.....	6
Acne.....		Burns of face, eyes and ears....	37
Adenitis.....		Burns of thigh, legs, feet and toes.....	23
Apoplexy.....	18	Burns of throat, neck and shoulders....	7
Alcoholism.....	338	Bubo.....	
Aphasia.....	1	Brought in dead....	26
Amnesia.....	3	Carbuncle.....	1
Amputations of arm.....	2	Catalepsy.....	2
Amputations of hands.....	3	Cellulitis.....	3
Amputations of foot.....	2	Cancer.....	2
Amputations of fingers and thumbs....	66	Chills and fever.....	9
Amputations of legs.....	5	Colic (intestinal).....	33
Amputations of toes.....	18	Congestion of brain.....	
Asthma.....	9	Congestion of lungs.....	1
Asphyxiation by gas.....	28	Congestion of liver.....	1
Asphyxiation by smoke.....		Conjunctivitis.....	6
Appendicitis.....	1	Concussion of brain.....	4
Abortion.....	4	Concussion of spine.....	
Abortion, accidental.....		Constipation.....	1
Angina pectoris.....	3	Contusion of arm, hand, wrist and elbow.	88
		Contusion of body, back and breast...	35
		Contusion of eyes, face, forehead, nose, lips	130

## DISEASES TREATED AT THE RECEIVING HOSPITAL—CONCLUDED.

Contusion of head, scalp and ear.....	11	Epilepsy.....	146
Contusion of fingers and toes.....	43	Erysipelas.....	1
Contusion of neck and shoulder.....	38	Epistaxis.....	17
Contusion of leg, foot, ankle and knee.....	101	Eczema.....	2
Contusion of hip, groin, thigh, side and abdomen.....	72	Examination for rape.....	7
Contusion of spine.....	1	Examination for sodomy.....	1
Cramps.....	14	Foreign body in arm.....	4
Cystitis.....	1	Foreign body in hand.....	19
Cholera infantum.....	1	Foreign body in finger.....	41
Congestive chill.....	1	Foreign body in throat.....	31
Debility.....	58	Foreign body in leg.....	3
Dyspepsia.....	1	Foreign body in foot.....	4
Dermatitis.....	1	Foreign body in toe.....	1
Diarrhœa.....	1	Foreign body in shoulder.....	1
Dropsy.....	3	Foreign body in knee.....	1
Dysentery.....	1	Foreign body in face.....	4
Dislocation of ankle.....	1	Foreign body in nose.....	2
Dislocation of arm.....		Foreign body in ear.....	7
Dislocation of clavicle.....	2	Foreign body in mouth.....	2
Dislocation of finger.....	16	Foreign body in eye.....	122
Dislocation of elbow.....	7	Felon.....	2
Dislocation of jaw.....	3	Foundling.....	10
Dislocation of metacarpal bones.....	1	Fever, typhoid.....	
Dislocation of radius.....	1	Fracture of ankle.....	2
Dislocation of rib.....	2	Fracture of astragalus.....	5
Dislocation of ulna.....	4	Fracture of acromion process.....	1
Dislocation of toes.....	2	Fracture of clavicle.....	20
Dislocation of hip.....	2	Fracture of calcaneus.....	4
Dislocation of shoulder.....	29	Fracture (Colle's).....	45
Dislocation of wrist.....	4	Fracture of carpal.....	1
Earache.....	4	Fracture of coronoid process.....	1
		Fracture of elbow.....	4
		Fracture of ethmoid.....	1

## DISEASES TREATED AT THE RECEIVING HOSPITAL—CONTINUED

Fracture of external condyle.....	5	Fracture of olecranon process .....	1
Fracture of internal condyle.....	6	Fracture of patella.....	6
Fracture of femur.....	30	Fracture of pelvis. ....	3
Fracture of femur (compound).....	2	Fracture of pubic. ....	
Fracture of femur (compound, commin- uted).....	2	Fracture of (Pott's).....	22
Fracture of fibula.....	29	Fracture of radius.....	28
Fracture of fibula (compound).....	10	Fracture of radius (compound).....	5
Fracture of fibula (compound, commin- uted).....	2	Fracture of ribs.....	44
Fracture of fibula (comminuted).....	1	Fracture of scapula.....	11
Fracture of finger.....	26	Fracture of spinal column.....	2
Fracture of finger (compound).....	45	Fracture of skull.....	36
Fracture of finger (compound, commin- uted) .....	16	Fracture of skull (possible) .....	19
Fracture of frontal bone.....		Fracture of tibia.....	42
Fracture of greenstick. ....	8	Fracture of tibia (compound).....	10
Fracture of humerus.....	17	Fracture of tibia (compound, commin- uted).....	2
Fracture of humerus (compound).....	5	Fracture of toes.....	6
Fracture of humerus (compound, com- minuted).....	3	Fracture of toes (compound, comminuted)	27
Fracture of ilium.....		Fracture of ulna.....	17
Fracture of nasal bones.....	27	Fracture of ulna (compound).....	4
Fracture of nasal bones (compound).....	9	Fracture of ulna (compound, commin- uted).....	1
Fracture of nasal bones (compound, com- minuted).....	2	Fracture of zygoma.....	1
Fracture of malar .....		Glaucoma .....	1
Fracture of maxilla (inferior) .....	8	Gunshot wound of abdomen .....	3
Fracture of maxilla (superior) .....	6	Gunshot wound of arm.....	7
Fracture of malleolus.....	9	Gunshot wound of body .....	
Fracture of metacarpal bones.....	27	Gunshot wound of back.....	2
Fracture of metatarsal bones .....	3	Gunshot wound of breast.....	5
Fracture of os calcis.....	1	Gunshot wound of buttock .....	2
		Gunshot wound of chin.....	1
		Gunshot wound of cheek .....	1
		Gunshot wound of eye.....	1



## DISEASES TREATED AT THE RECEIVING HOSPITAL—CONTINUED.

Gunshot wound of ear .....	1	Insomnia.....	1
Gunshot wound of face.....	3	Iritis.....	1
Gunshot wound of finger and thumb.....	2	Inflammation of knee, leg and foot .....	1
Gunshot wound of foot.....	1	Inflammation of eye.....	1
Gunshot wound of hand.....	12	Inflammation of breast.....	1
Gunshot wound of head .....	14	Insanity .....	503
Gunshot wound of leg.....	6	La grippe.....	1
Gunshot wound of mouth.....	5	Lumbago.....	5
Gunshot wound of neck.....	1	Locomotor ataxia.....	1
Gunshot wound of side.....	7	Lost.....	6
Gunshot wound of shoulder.....	3	Leprosy.....	4
Gunshot wound of thigh .....	5	Mayhem or man bite.....	16
Gunshot wound of wrist .....	1	Malaria.....	14
Hæmoptysis.....	2	Mumps.....	1
Hernia.....	11	Neuralgia.....	5
Hernia, strangulated.....	4	Nephritis.....	1
Hydrocele.....	1	Neurasthenia.....	3
Hysteria.....	21	Edema .....	4
Heart Disease.....	13	Paralysis.....	17
Hæmatoma.....	3	Phlegmon.....	22
Hemiplegia.....	1	Phthisis.....	15
Hæmorrhage of ear.....	5	Poisoned by ammonia.....	2
Hæmorrhage of eye ball.....	1	Poisoned by aconite.....	2
Hæmorrhage of brain.....		Poisoned by arsenic.....	5
Hæmorrhage of gum.....	1	Poisoned by atropine.....	1
Hæmorrhage of lungs.....	9	Poisoned by bromide.....	1
Hæmorrhage of mouth .....	2	Poisoned by bichloride of mercury.....	2
Hæmorrhage of stomach .....	1	Poisoned by carbolic acid.....	14
Hæmorrhage, subcutaneous.....	1	Poisoned by chloral hydrate .....	2
Hæmorrhage, urethral.....	1	Poisoned by chloroform.....	4
Homeless.....	6	Poisoned by chloride of potash.....	1
Internal injuries.....	44	Poisoned by cocaine.....	3
Intussusception.....	1	Poisoned by creosote.....	1

## DISEASES TREATED AT THE RECEIVING HOSPITAL—CONCLUDED.

Poisoned by ergot, fluid extract.....	1	Syncope.....	31
Poisoned by morphine.....	21	Synovitis.....	4
Poisoned by opium.....	9	Syphilis.....	2
Poisoned by iodine.....	1	Sodomy.....	1
Poisoned by strychnia.....	1	Shock.....	25
Poisoned by sulphate of zinc.....	1	Tonsillitis.....	3
Poisoned by rat poison.....	3	Toothache.....	20
Pneumonia.....	3	Tooth extracted.....	9
Pleurisy.....	6	Thecitis.....	3
Pregnancy.....	18	Triebiasis.....	1
Prolapsus recti.....	3	Tetanus.....	1
Retention of urine.....	27	Tendo-vaginitis.....	3
Rheumatism.....	12	Tenesmus.....	1
Rupture of arteries.....	1	Threatened abortion.....	1
Rupture of ligaments.....	6	Ulcer of arm and hand.....	1
Rupture of membrane of ear.....	1	Ulcers of foot, leg and knee.....	29
Rupture of urethra.....	1	Ulcer of body.....	2
Sprain of ankle.....	79	Ulcerrated tooth.....	1
Sprain of arm.....	7	Uvulotomy.....	1
Sprain of back.....	7	Varicose veins.....	9
Sprain of elbow.....	19	Vertigo.....	2
Sprain of finger.....	16	Wounds of abdomen.....	8
Sprain of foot.....	11	Wounds of axilla.....	3
Sprain of groin.....		Wounds of ankle.....	2
Sprain of hand.....	24	Wounds of arms.....	1
Sprain of hip.....	2	Wounds of arm and elbow.....	92
Sprain of knee.....	20	Wounds of back and body.....	19
Sprain of leg.....	2	Wounds of breast and chest.....	12
Sprain of shoulder.....	16	Wounds of buttock.....	6
Sprain of thumb.....	13	Wounds of eye, eyebrow and eyelid.....	336
Sprain of toe.....		Wounds of ear.....	57
Sprain of wrist.....	95	Wounds of chin.....	76
Submersion.....	51	Wounds of face and cheek.....	185

## DISEASES TREATED AT THE RECEIVING HOSPITAL—CONTINUED.

Wounds of fingers and thumbs.....	497	Wounds of penis, testicle and scrotum..	6
Wounds of forehead.....	201	Wounds of perineum.....	2
Wounds of foot .....	55	Wounds of side. ....	14
Wounds of knee.....	14	Wounds of shoulder.....	9
Wounds of hip and thigh.....	8	Wounds of throat.....	18
Wounds of hand.....	316	Wounds of thigh.....	5
Wounds of leg.....	54	Wounds of toe.....	24
Wounds of lip.....	123	Wounds of tongue.....	6
Wounds of neck.....	42	Wounds of wrist.....	63
Wounds of nose.....	103	Wounds of scalp.....	838

## HEALTH OFFICER'S REPORT.

## LIST OF DEATHS IN THE RECEIVING HOSPITAL FROM JULY 1, 1896, TO JUNE 30, 1897.

DATE.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DIED.	TIME.
1896—July 2.	John Layden.....	Minn & New Montgomery.	Morphine poisoning.....	Died....	1896 July 2. 7.30 A. M....
" 5.	William Hansen.....	920 Buchanan street.....	Brought in dead.....	Morgue.	" 5. 10.10 A. M....
" 11.	John Figue.....	3 Bartol street.....	Brought in in a dying condition.....	Died....	" 14. 11.45 A. M....
" 15.	Mary Matti.....	263 Clara street.....	Catholic acid poisoning.....	"	" 15. 3.00 P. M....
" 17.	Charles Brown.....	Fourth and Minna streets.....	Pneumonia.....	"	" 18. 3.25 A. M....
" 21.	Hollis M. Cox.....	2226 Howard street.....	Rough on rats poisoning.....	"	" 22. 4.50 A. M....
" 24.	Joseph Frantz.....	".....	Brought in dead.....	Morgue.	" 24. 1.30 P. M....
Aug. 7.	James O'Grady.....	".....	Debility.....	Died....	Aug. 9. 6.30 A. M....
" 20.	1 Locks (boy).....	921 Sixth street.....	Fracture of skull.....	"	" 20. 4.50 P. M....
" 21.	John Deane.....	".....	Morphine poisoning.....	"	" 21. 3.00 P. M....
" 25.	Paul de Martin.....	".....	Phthisis.....	"	" 25. 11.45 P. M....
" 26.	Louie Best.....	330 Iitch street.....	Fracture of skull.....	"	" 26. 8.15 P. M....
" 31.	Pat Gleason.....	97 California street.....	Brought in a dying condition.....	"	" 31. 5.15 P. M....
Sept. 1.	John Walkersdorf.....	740 1/2 Harrison street.....	Brought in dead.....	Morgue.	Sept. 1. 7.20 A. M....
" 2.	Ben Stevenson.....	102 Ellis street.....	(Gas as aphyxiation.....	Died....	" 3. 2.30 P. M....
" 4.	Philip Lima.....	917 Pacific street.....	Epilepsy and debility.....	"	" 5. 10.20 A. M....
" 7.	William Farphur.....	1003 Mission street.....	Brought in dead.....	Morgue.	" 7. 7.50 A. M....
" 9.	Hermana Welg.....	".....	Submersion and poisoning.....	Died....	" 9. 10.25 A. M....

## LIST OF DEATHS IN THE RECEIVING HOSPITAL FROM JULY 1, 1896, TO JUNE 30, 1897—CONTINUED.

DATE.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DIED.	TIME.
1896—Sept. 12.	James Ddee.....	476 Eighth street.....	Brought in a dying condition.....	Died.....	1896—Sept. 12. 3.55 P. M...
" 13.	Sabino Escoba.....	".....	Rough on rats poisoning.....	"	" 14. 3.20 P. M...
" 14.	Mrs. Hazel.....	820 Geary street.....	Morphine poisoning.....	"	" 14. 5.00 P. M...
" 17.	M. O'Callaghan.....	".....	Fracture of skull.....	"	" 19. 11.20 A. M...
" 19.	M. Clancey.....	".....	Brought in dead.....	Morgue.	" 19. 6.30 P. M...
" 24.	Laura Blair.....	224 Carp street.....	Apoplexy.....	Died.....	" 25. 7.40 A. M...
" 25.	Philippe Segond.....	St. George Hotel.....	Knife wound of neck and wrist.....	"	" 25. 7.40 P. M...
Oct. 2.	Philip Reiley.....	512 Francisco street.....	Gunshot wound of chest.....	"	Oct. 3. 3.15 P. M...
" 3.	William Smith.....	Sutro Heights.....	Epilepsy and alcoholism.....	"	" 3. 1.40 P. M...
" 5.	Annie Conroy.....	532 Jessie street.....	Chloral poisoning.....	"	" 5. 8.00 P. M...
" 6.	Wong Chong.....	".....	Gunshot wound of abdomen.....	"	" 6. 7.00 A. M...
" 8.	Charles Sherburne.....	Golden West Hotel.....	Carbolic acid poisoning.....	"	" 8. 10.20 P. M...
" 9.	Charles Voeke.....	486 Eighth street.....	Fracture of skull.....	"	" 9. 8.35 P. M...
" 14.	J. C. Kearney.....	1115 Leavenworth street.....	Fracture of skull.....	"	" 15. 3.15 A. M...
" 16.	John Doe.....	Alms house.....	Fyncope.....	"	" 17. 12.40 P. M...
" 19.	C. C. James.....	411 Sansome street.....	Apoplexy.....	"	" 21. 5.10 A. M...
25.	John Doe.....	".....	Brought in a dying condition.....	"	" 25. 1.45 P. M...
" 30.	Jennie Ward.....	216 Tur t street.....	Gas asphyxiation.....	"	" 31. 5.15 A. M...

## LIST OF DEATHS IN THE RECEIVING HOSPITAL FROM JULY 1, 1896, TO JUNE 30, 1897—CONTINUED.

DATE.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DIED.	TIME.
1896—Nov. 1.	Daniel Johnson.	1 Gabriel place.	Morphine poisoning.	Died....	Nov. 1. 9.30 A. M.
" 4.	John Doe.	"	Phthisis.	"	" 4. 6.00 A. M.
" 7.	Jarbin Case.	"	Apoplexy.	"	" 8. 2.30 A. M.
" 7.	Mrs. E. G. Mauley.	1119 Webster street.	Burns of body.	"	" 7. 10.10 P. M.
" 10.	William Galt.	217 Eddy street.	Morphine poisoning.	"	" 11. 6.10 A. M.
" 17.	Jane Doe.	"	Alcoholism.	"	" 17. 6.30 P. M.
" 19.	James Jacomini.	"	Morphine poisoning.	"	" 19. 7.15 A. M.
" 19.	Thomas Ryan.	"	Apoplexy.	"	" 19. 8.00 A. M.
" 21.	Aug. Parenti.	Mason and Union streets.	Brought in a dying condition.	"	" 21. 2.00 A. M.
" 26.	John Doe.	"	Morphine poisoning.	"	" 26. 12.10 P. M.
Dec. 6.	Lizzie Emmerson.	17 Stockton street.	Morphine poisoning.	"	Dec. 6. 12.25 P. M.
" 8.	Christ. Von Meyerhoff.	409 Pacific street.	Fracture of skull.	"	" 10. 7.40 P. M.
" 9.	Cecelia Robb.	Hotel Richelieu.	Internal injuries.	"	" 9. 6.30 A. M.
" 16.	Henry Blanken.	Hattie and Merrick streets.	Rough on rats poisoning.	"	" 16. 5.55 P. M.
" 18.	Frank Brown.	"	Brought in a dying condition.	"	" 18. 9.05 A. M.
" 21.	Miss Etta Averill.	203 Gto IdemGate avenue.	Concussion of brain.	"	" 25. 11.00 A. M.
" 23.	Joseph Manulug.	"	Three gunshot wounds of right side.	"	" 23. 10.35 P. M.
1897—Jan'y 1.	Thomas J. Palmer.	675 Mission street.	Hemorrhage of lungs.	"	1897—Jan'y 1. 9.45 A. M.

## POLICE SURGEON'S REPORT.

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LIST OF DEATHS IN THE RECEIVING HOSPITAL FROM JULY 1, 1897, TO JUNE 30, 1897—CONTINUED.

DATE.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DIED.	TIME.
1897—Jan'y 2.	Frank Brockman.....	320 Guerrero street.....	Gunshot wound of mouth.....	Died....	10.20 A. M...
" 2.	John Hogan.....	1912½ Mission street.....	Fracture of skull.....	"	" 4. 12.30 P. M...
" 5.	William D. White.....	"	Brought in dead.....	Morgue.	" 5. 10.45 A. M...
" 8.	George Dwight.....	120 Sixth street.....	Knife wound of throat.....	Died....	" 8. 10.50 A. M...
" 9.	Fred du Jardin.....	"	Carbolic acid poisoning.....	"	" 9. 10.00 P. M...
" 12.	Alexander McNaughton.....	545 First street.....	Malaria.....	"	" 13. 12.15 P. M...
" 20.	Lawrence Sutton.....	"	Brought in a dying condition.....	"	" 20. 2.15 P. M...
" 21.	Robert Harris.....	324 O'Farrell street.....	Gunshot wound of head.....	"	" 22. 1.00 A. M.
" 22.	J. A. Weaver.....	San Jose.....	Delirium tremens.....	"	" 23. 1.05 P. M...
" 25.	Mark Devine.....	Ocean View.....	Apoplexy.....	"	" 25. 11.00 P. M...
" 26.	William Blake.....	"	Brought in a dying condition.....	"	" 26. 11.10 A. M...
" 26.	Baby Ryan.....	"	Born dead.....	"	" 26. 5.00 P. M...
" 28.	Thomas Adams.....	"	Brought in a dying condition.....	Died....	" 28. 3.10 P. M...
Feb'y 1.	Mrs. R. Hall.....	2522 Diamond street.....	Morphine and atropine poisoning.....	"	Feb'y 2. 11.15 A. M...
" 2.	John Doe (Chinaman).....	"	Brought in dead.....	Morgue.	" 2. 1.10 P. M...
" 4.	Wong Hung.....	Jackson street.....	Opium poisoning.....	Died....	" 4. 9.35 P. M...
" 10.	Thomas Radcliff.....	Ship "Hildecker".....	Brought in dead.....	Morgue.	" 10. 3.30 P. M...
" 12.	E. J. Maher.....	1520 Howard street.....	Fracture of skull.....	Died....	" 12. 12.30 P. M...

## HEALTH OFFICER'S REPORT.

## LIST OF DEATHS IN THE RECEIVING HOSPITAL FROM JULY 1, 1896, TO JUNE 30, 1897.—CONTINUED.

DATE.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DIED.	TIME.
1897					
Feb'y 15.	W. H. Brawan.	127½ Bernard street.	Fracture of skull.	Died....	1897—Feb'y 16.
" 16.	Pat Dolan.	729 Tehama street.	Two gunshot wounds of left side	"	" 17.
" 19.	Wong Dow Hop.	Stockton and Clay streets.	Fracture of skull	"	" 27.
" 25.	Nellie Nava.	325½ Bush street.	Alcoholism.	"	" 27.
March 2.	William Patterson.		Brought in dead.	Morgue.	March 2.
" 6.	Harry Kelly (boy).	148 Sixth street.	Fracture of skull.	Died...	" 6.
" 8.	Mrs. Munn.	25 Fidy street.	Brought in dead.	Morgue.	" 8.
" 15.	Daniel Ellery.	150 Fourth street.	Gas asphyxiation.	Died....	" 17.
" 23.	Mrs. Robinson.	303 Sixth street.	Morphine poisoning.	"	" 21.
" 27.	Mary Marshall.	421 Powell street.	Internal injuries.	"	" 27.
" 29.	B. Lippe.	2 Grand avenue.	Suspected poisoning.	"	" 30.
April 1.	Alexander Dick.		Pneumonia.	"	April 2.
" 1.	Miles D. Carry.	306 California street.	Gunshot wound of head	"	" 2.
" 3.	John Doe.		Annumia poisoning.	"	" 3.
" 4.	Emma Griffiths.	123 Silver street.	Rough on rats poisoning.	"	" 5.
" 15.	C. Williams.		Internal injuries.	"	" 15.
" 29.	R. Haulin.	11 Olive avenue.	Epilepsy.	"	" 21.
" 24.	P. H. O'Brien.	Vallejo.	Pneumonia.	"	" 25.



## LIST OF DEATHS IN THE RECEIVING HOSPITAL FROM JULY 1, 1896, TO JUNE 30, 1897—CONCLUDED.

DATE.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DIED.	TIME.
1897 - April 25.	Joseph F. Schuster.....	16 Tehama street.....	Brought in dead.....	Morgue.....	April 29, 8.15 P. M....
May 1.	Eldridge Gerry.....	105 Russ street.....	Intussusception.....	Died.....	May 1, 10.15 P. M....
" 6.	Robert R. Able.....	525 Taylor street.....	Definium tremens.....	".....	" 9, 4.45 P. M....
" 10.	F. Duvardio.....	Harbor Station.....	Brought in dead.....	Morgue.....	" 10, 2.00 P. M....
" 12.	Louis Boom.....	Jackson street.....	Morphine poisoning.....	Died.....	" 13, 10.31 P. M....
" 16.	John Doe.....	51 St. Mary's street.....	Brought in dead.....	Morgue.....	" 16, 12.55 A. M....
" 21.	J. S. Bennett.....	411 Sansone street.....	Apoplexy.....	Died.....	" 24, 7.40 P. M....
" 24.	Michael Boyce.....	Fourth and Townsend sts..	Fracture of skull.....	".....	" 24, 7.10 P. M....
" 26.	Pat Armstrong.....	.....	Alcoholism.....	".....	" 26, 9.15 A. M....
" 26.	John Doe.....	Seventh and Folsom streets	Brought in dead.....	Morgue.....	" 26, 12.00 M....
" 29.	John Doe.....	Third and Mission streets..	Apoplexy.....	Died.....	" 29, 2.10 P. M....
June 1.	Ike Hoffman.....	927 Sutter street.....	Crush & wound of head.....	".....	June 1, 8.00 P. M....
" 2.	Ethel Gordon.....	Post street and Grant ave..	Carbolic acid poisoning.....	".....	" 2, 3.40 A. M....
" 2.	J. Nielson.....	5-8 Montgomery street.....	Internal injuries, shock.....	".....	" 2, 9.00 A. M....
" 9.	John Doe.....	Geary and Taylor streets....	Fracture of skull.....	".....	" 9, 8.45 A. M....
" 14.	J. Sullivan.....	Eighth and Folsom streets..	Brought in a dying condition.....	".....	" 14, 7.55 P. M....
" 21.	James Carroll.....	Third and Howard streets..	Heart disease.....	".....	" 21, 9.00 P. M....
" 29.	George Flynn.....	630½ Fulton street.....	Internal injuries.....	".....	" 30, 12.10 A. M....

## REPORT OF PARK RECEIVING HOSPITAL.

*D. Conrad Weit—*

DEAR SIR: I herewith submit my annual report from February 7, 1897, to July 1, 1897.

## DISPOSITION OF CASES.

NAME OF HOSPITAL, ETC.	NUMBER.	TOTAL.
Total number of persons admitted .....		135
Sent to their homes.....	124	
Sent to City Prison.....	2	
Sent to City Receiving Hospital.....	6	
Sent to City and County Hospital.....	1	
Sent to St. Mary's Hospital.....	1	
Sent to St. Luke's Hospital.....	1	
Total.....		135

Very respectfully,

J. T. STAFFORD, M. D.

W. W. WYMORE, M. D.

## CLASSIFIED LIST OF AILMENTS AND INJURIES TREATED AT THE PARK RECEIVING HOSPITAL, FROM FEBRUARY 9, TO JULY 1, 1897.

Abrasions of arms, hands and fingers.....	11
Abrasions of body, neck and shoulders.....	1
Abrasions of face, head, eye and ear.....	21
Abrasions of feet, legs, toes and knee.....	6
Alcoholism.....	1
Acute enteritis.....	1
Burns of arms, hands and fingers.....	1
Concussion of brain.....	3
Contusion of arm, hand, wrist and elbow.....	3
Contusion of body, back and breast.....	4
Contusion of eyes, face, forehead, nose and lips.....	8
Contusion of head, scalp and ear.....	7
Contusion of fingers and toes.....	2
Contusion of leg, foot, ankle and knee.....	3
Contusion of hip, groin, side, thigh and abdomen.....	2
Dislocation of finger.....	2
Dislocation of shoulder.....	2
Dislocation of wrist.....	1
Epilepsy.....	4
Epistaxis.....	1
Foreign body in hand.....	1
Foreign body in eye.....	1
Furuncle.....	2
Fever (malaria).....	1
Fracture of fibula.....	3
Fracture of finger.....	1
Fracture of greenstick.....	1
Fracture of maxilla (inferior).....	2
Fracture of nasal bones (compound).....	2
Fracture of ribs.....	2
Fracture of radius.....	1
Fracture of scapula.....	1
Fracture of skull.....	1
Fracture of ulna (compound).....	1
Fracture of tibia.....	3
Gastralgia.....	1
Hysteria.....	1
Internal injuries.....	1
Neuralgia.....	2
Phthisis.....	1
Poisoned by cyanide potash.....	1
Sprain of ankle.....	

## CLASSIFIED LIST OF AILMENTS AND INJURIES—CONCLUDED.

Sprain of back.....	1
Sprain of wrist.....	7
Submersion.....	2
Syncope.....	1
Shock (electric).....	1
Tonsillitis.....	1
Toothache.....	1
Wounds of arm and elbow.....	2
Wounds of eye, eyebrow and eyelid.....	2
Wounds of chin.....	1
Wounds of face and cheek.....	4
Wounds of fingers and thumbs.....	5
Wounds of forehead.....	5
Wounds of hand.....	5
Wounds of leg.....	2
Wounds of lip.....	2
Wounds of scalp.....	9

## ALMSHOUSE REPORT.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I respectfully submit to your Honorable Body the following report of the condition and affairs of the City and County Almshouse for the fiscal year ending June 30, 1897:

## NUMBER OF INMATES ADMITTED.

Males.....	524
Females.....	128
Total admitted.....	652
Remaining in the House July 1, 1896.....	870
Total to be accounted for.....	1,522

## NUMBER OF INMATES DISCHARGED, ETC.

Number of inmates discharged at own request.....	296
Number of inmates ran away.....	34
Number of inmates discharged for cause.....	111
Number of inmates transferred to other institutions.....	33
Number of inmates died.....	119
Number of inmates discharged when time was up.....	8
Remaining in the House July 1, 1897.....	921
Total.....	1,522
Daily average number of inmates.....	912

## NATIVITY OF INMATES ADMITTED.

## UNITED STATES

Alabama .....	2	North Carolina.....	1
California.....	11	New Hampshire.....	5
Connecticut.....	5	New Jersey.....	5
Delaware.....	2	New York.....	41
Illinois.....	5	Ohio.....	15
Indiana.....	1	Pennsylvania.....	15
Kentucky.....	1	Rhode Island.....	2
Louisiana.....	5	South Carolina.....	1
Maine.....	4	Virginia.....	3
Maryland.....	4	West Virginia.....	2
Massachusetts.....	20	Wisconsin.....	1
Michigan.....	4		
Total for United States.....			155

## NATIVITY OF INMATES ADMITTED--CONCLUDED.

## FOREIGN.

Austria.....	6	Mexico.....	5
Australia.....	1	Newfoundland.....	1
Belgium.....	2	New Brunswick.....	2
Brazil.....	1	Norway.....	5
Canada.....	12	Nova Scotia.....	3
Denmark.....	4	Philippine Islands.....	1
England.....	36	Poland.....	1
Finland.....	1	Prussia.....	2
France.....	29	Scotland.....	12
Germany.....	74	Spain.....	1
Greece.....	1	Sweden.....	8
India.....	1	Switzerland.....	10
Ireland.....	258	Wales.....	4
Italy.....	14	Western Islands.....	1
Malta.....	1		
Total Foreign.....			497
United States.....			155
Total ..			652

## HEALTH OFFICER'S REPORT.

## OCCUPATIONS OF INMATES ADMITTED.

Assayer.....	1	Groom.....	2
Baker.....	6	Hostler.....	4
Barber.....	6	Harnessmaker.....	2
Barkeeper.....	6	Housekeeper.....	23
Blacksmith.....	10	Horseshoer.....	2
Bookkeeper.....	2	Hotelkeeper.....	1
Boilermaker.....	4	Janitor.....	1
Bricklayer.....	6	Laborer.....	127
Butcher.....	5	Laundress.....	4
Butler.....	1	Laundryman.....	4
Builder.....	1	Longshoreman.....	2
Brushmaker.....	1	Lineman.....	1
Boxmaker.....	1	Lumber dealer.....	1
Basketmaker.....	1	Lather.....	1
Cabinetmaker.....	5	Machinist.....	4
Carpenter.....	18	Marblepolisher.....	2
Carriagemaker.....	2	Millwright.....	1
Carriage painter.....	2	Merchant.....	1
Cigarmaker.....	4	Mason.....	1
Clerk.....	13	Miner.....	30
Coachman.....	1	Miller.....	3
Cook.....	45	Moulder.....	4
Cooper.....	4	News monger.....	1
Carrier.....	1	Nurse.....	10
Copyist.....	1	No occupation.....	5
Dentist.....	1	Oysterman.....	1
Dishwasher.....	7	Packer.....	1
Dressmaker.....	6	Pantryman.....	1
Druggist.....	2	Painter.....	15
Engineer.....	6	Peddler.....	20
Expressman.....	1	Plasterer.....	2
Farmer.....	7	Plumber.....	1
Fireman.....	3	Plastermoulder.....	1
Fisherman.....	1	Pianomaker.....	1
Gardener.....	15	Polisher.....	1



## OCCUPATIONS OF INMATES ADMITTED—CONCLUDED..

Porter .....	5	Surveyor.....	1
Poulterer .....	5	Tailor.....	10
Printer.....	2	Tanner.....	2
Rigger .....	3	Teamster.....	10
Railroadman.....	4	Varnisher .....	1
Sailor.....	18	Waiter.....	10
Seamstress.....	11	Wagonmaker.....	2
Servant.....	60	Weaver.....	3
Shoemaker.....	11	Watchmaker.....	3
Stableman.....	5	Woodturner .....	1
Stonecutter.....	2	Wheelwright.....	1
Soldier.....	1	Windowwasher .....	1
Sculptor.....	1		—
Total .....			652

## AGES OF INMATES ADMITTED.

From 10 to 19 years.....	1	From 60 to 69 years.....	269
From 20 to 29 years.....	11	From 70 to 79 years.....	142
From 30 to 39 years.....	31	From 80 to 89 years.....	18
From 40 to 49 years.....	60	From 90 to 99 years.....	2
From 50 to 59 years.....	118		—
Total.....			652

## SOCIAL CONDITION OF INMATES ADMITTED.

Single.....	289
Married.....	76
Widowers.....	185
Widows.....	93
Divorced.....	8
Unknown.....	1
Total.....	652

## COLOR OF INMATES ADMITTED.

White.....	646
Black.....	3
Dark.....	3
Total.....	652

## BY WHOSE ORDER ADMITTED.

By His Honor Mayor Sutro.....	348
By His Honor Mayor Phelan.....	239
By Superintending Physician City and County Hospital.....	56
By Dr. Williamson.....	1
By Supervisor King.....	2
By Supervisor Smith.....	1
By Superintendent Reddy.....	4
By County Jail No. 2.....	1
Total.....	652

## NUMBER OF TIMES ADMITTED AND READMITTED AFTER DISCHARGE.

First time.....	338	Eighth time.....	5
Second time.....	143	Ninth time.....	3
Third time.....	74	Tenth time.....	2
Fourth time.....	37	Fifteenth time.....	1
Fifth time.....	20	Sixteenth time.....	1
Sixth time.....	17	Nineteenth time.....	1
Seventh time.....	9	Twentieth time.....	1
Total.....			652

# ALMSHOUSE REPORT.

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## ALMSHOUSE EXPENSES FOR 1896-97.

Salaries of officers and employees .....	18,506 98
Provisions, groceries, fruit, etc.....	27,974 18
Dry goods, clothing, etc.....	4,502 97
Tobacco.....	774 93
Medicines, drugs, liquors and alcohol.....	1,118 46
Repairs and materials of buildings.....	2,526 18
Repairs of ranges and stoves.....	642 19
Repairs of vehicles and horseshoeing.....	671 15
Feed of horses and cattle.....	2,038 57
Fuel, light and water.....	6,718 42
Tools, implements, hardware, etc.....	902 75
Laundry supplies .....	244 04
Furniture, carpets, paints and oils.....	543 37
Printing, stationery and stamps.....	167 70
Five horses.....	725 00
Telephone.....	93 87
Material and labor for construction of additional accommodations for 50 inmates .....	2,057 67
Erection of, machinery for, and labor on new laundry and new morgue (concrete) ....	6,024 77
<b>Total.....</b>	<b>876,233 10</b>

Total cost of food for 1896-97.....	827,974 18
Less amount turned into treasury from sale of junk.....	535 02
	<b>827,439 16</b>

Daily average number of officers, employees and inmates .....	941
Daily cost of food per officers, employees and inmates.....	7.99c
Total cost of dry goods, clothing, bedding, shoes, etc.....	\$4,502 97
Daily average number of inmates.....	912
Daily cost per inmate of above articles.....	1.352c

According to our books the total amount paid out for 1896-97 was.....	876,233 10
Less amount turned into treasury from sale of junk, etc.....	535 02
	<b>875,698 08</b>

Daily cost of institution.....	207 39
Yearly cost per inmate.....	82 00
Daily cost per inmate.....	.2275

## HEALTH OFFICER'S REPORT.

The following is a résumé of the work done in the different departments during the year:

## TAILORING DEPARTMENT.

Men's cassimere coats made .....	46
Men's cassimere pants made .....	79
Men's cassimere vests made .....	43
Men's blue jean overalls made .....	243
Men's blue jean blouses made .....	85
Coats, pants, vests, etc., repaired .....	332

## SHOEMAKING DEPARTMENT.

Men's shoes made, pairs .....	117
Men's slippers made, pairs .....	10
Men's shoes repaired, pairs .....	785
Women's shoes repaired, pairs .....	108

## WOMEN'S DEPARTMENT.

The female inmates have made:

Overshirts for men .....	628
Undershirts for men .....	213
Drawers for men .....	283
Chemises .....	99
Nightgowns .....	146
Flannel undershirts for women .....	42
Flannel shirts .....	10
Women's stockings, pairs .....	43
Women's aprons .....	74
Burial caps for women .....	12
Bedspreads .....	283
Bed sheets .....	731
Pillow slips .....	451
Pillow ticks .....	103
Bed ticks .....	117
Roller towels .....	13
Shrouds for men .....	70
Shrouds for women .....	44
Curtains .....	56
Table cloths .....	18
Dresses for women .....	63

## ALMSHOUSE REPORT.

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## FARM.

	ACRES
House, lot No. 1, grounds and road.....	5
No. 2 building, grounds and road.....	5
Hospital lot, grounds and road.....	4
No. 4 building, grounds and road.....	2
Under cultivation:—	
Potatoes.....	30
Hay.....	10
Pasturage.....	8
Vegetables.....	12
Waste lands.....	4
Total .....	80

## LIVE STOCK.

Horses .....	14	Hogs, small.....	60
Cows.....	2	Chickens.....	66
Calves .....	1	Ducks .....	5
Hogs, large .....	40		

During the fiscal year we received from sales:

Junk, bones and rags.....	\$137 20
Hogs, 12,675 lbs.....	363 80
1 calf.....	4 00
Collected from Troy Laundry Co. for pipes from dryer in new laundry...	30 02
Total.....	\$555 02

which amount has been turned over to the Treasurer.

We also turned over to the Treasurer the effects of deceased inmates, in cash, \$152.87, besides many trinkets of no value.

For the consumption of inmates and the use of the institution, we killed five hogs, weighing 1,618 pounds.

By order of the Chief Food Inspector, one cow, infected with tuberculosis, was killed.

One horse, condemned by Veterinary Surgeon, was killed.

## HEALTH OFFICER'S REPORT.

The original appropriation for the City and County Almshouse for the fiscal year 1896-97, was.....	\$86,000 00
To provide for the accommodation and support of 50 more inmates, there was appropriated at a meeting of the Board of Supervisors, held September 28, 1896 (see Order No. 3,918), an additional amount of.....	2,500 00
Making a total of.....	\$82,500 00
According to our books the total amount paid out for 1896-97 was.....	\$76,233 10

77 Which amount includes the materials and labor for the construction of the above-mentioned accommodations for fifty additional inmates, at an expense of \$2,037.67. Included in this item is also the cost of a new reading room at No. 2 Building, 50 x 50 feet.

As estimated in our report of last year, we have built a new laundry, furnished with new and modern machinery, including a new 25-horse power engine and boiler. Also a new morgue. At a total cost of \$6,024.77.

The old laundry, which was a standing menace to the main building, was torn down.

The new buildings have foundations, walls and flooring of concrete cement, with a tin roof, and were built by the inmates, with the exception of the foreman and finishers.

We also made 227 feet of artificial stone curbing for the improvement and adornment of the grounds. The building of the new laundry made it necessary to lay 175 feet of six-inch new iron-stone pipe to connect with the main sewer.

For the purpose of saving water that was going to waste a new six-inch ironstone water pipe, 332 feet in length, was laid from the wells to the reservoir, doubling the supply of water.

As a protection against fire, 135 feet of two-inch pipe has been laid to the church from the main water pipe, and seven additional fire plugs put in.

We also relaid and put to use 800 feet of three-inch old iron pipe, which had not been in use for many years.

We bought a new boiler and stack for the kitchen at an expense of \$125.

A new balcony was built at the south end of the main building, new furnaces in the basement and a new chimney.

The halls and main stairways of No. 1 and No. 2 buildings have been re-plastered and painted, and stables and fences whitewashed.

Two hundred yards of drains have been built to carry off seepage water.

I also built a shed from the reading room to the dining room, protecting the inmates from the inclemency of the weather.

I also relaid the pipes from the tanks to building No. 1 and put in fire plug, so that the cottage and building No. 1 are now protected against fire.

I have also had ladders made and put at convenient and necessary places about the building.

On the grounds on the northwest side of building No. 2 we have planted elm trees, thereby improving the appearance of that portion of the grounds, and have made a garden with all sorts of vegetables out of what was heretofore a waste, adding over an acre to the land already under cultivation.

We have put one night nurse in No. 1, women's department, and one night nurse in No. 3, who acts as watchman. There are 14 inmates in No. 3 building, and they have heretofore been without a night nurse.

In No. 4, women's department, there are 30 inmates, most of whom are helpless, and who have heretofore been without a night nurse, the work having been done by one woman nurse.

Nearly all of the vegetables consumed by the inmates during the year have been grown on the grounds, and there are thirty acres of potatoes just maturing.

We still supply water to an adjoining milk ranch, and receive in return three gallons of milk daily, valued at fifty cents.

As above shown, the actual cost of sustenance of the institution was...	\$68,150 66
Cost of new accommodations .....	2,057 67
Cost of new laundry and new morgue (machinery, \$3,125) .....	6,024 77
Total.....	\$76,233 10
By resolution of the Board of Supervisors, the following amounts from the City and County Almshouse fund were transferred back to the Treasurer: April 19, 1897, Resolution No. 16,239.....	
May 3, 1897, Resolution No. 16,366.....	3,000 00
June 1st, Resolution No. 16,528.....	1,500 00
	1,000 00
	\$81,733 10
Balance unexpended and returned to the Treasurer .....	766 90
	\$82,500 00

From the opening of the Almshouse to the present time, 17,504 inmates have been admitted and provided for.

Daily average number of inmates for past year.....	912
Daily average previous year.....	847
An increase of.....	65

Deaths during previous year.....	146
Deaths during past year.....	119

A difference of.....	27
or 24.31 per cent decrease.	

The Almshouse tract contained .....	acres 80
The City has given to the Balboa Boulevard two strips of land, 64 feet wide by 787 feet long, and 100 feet wide by 220 feet long, respectively, being 72,868 square feet, or acres	1,673
Leaving .....	acres 78,327

In consequence of the donation of this land of the Almshouse to the Boulevard, it has been necessary to build a new fence, 1,312 feet long.

During the construction of the new boulevard, we furnished soup daily to from 50 to 800 men, at an average cost of five dollars per day for a period of three months.

From the trees cut on the land adjoining the boulevard about 100 cords of wood were obtained, valued at \$800.

Whenever it has been necessary, we have repaired the public roads in the vicinity.

## HEALTH OFFICER'S REPORT.

All the water needed to set the macadam on the Balboa Boulevard was taken from our tanks.

We fitted out with bedding the Park Receiving Hospital, and have boarded the doctor and ambulance driver since the first of March, 1897.

Our sincere thanks are due to the Honorable Board of Health and the Honorable Board of Supervisors, who by their support and co-operation and their valuable suggestions and aid have facilitated and encouraged our endeavors.

We also desire to thank Doctors Pischl and Cameron for their gratuitous attendance and services as oculists to the inmates.

Thanks are also due to Rev. W. H. Tubbs for his long and continuous service to the institution and for bringing reading matter, clothing, and many other useful articles, and to the Rev. D. O. Kelly for his regular ministrations to the members of his flock here, and to the good fathers of St. Dominic's and St. James' parishes, whose services have been given to the inmates every Sabbath, and who have always come promptly to the sick who may have needed their ministrations; and also to the various members of the Salvation Army, who have made weekly visits to the inmates.

During the past year there was inaugurated a series of monthly entertainments for the amusement of the inmates. We are under obligations to the kind people who have contributed their time and talent on those occasions, and to the various societies and individuals who have contributed reading matter and other things to the institution, all of which is appreciated.

Respectfully submitted,

E. A. REDDY,

Superintendent.



## REPORT OF MEDICAL DEPARTMENT OF ALMSHOUSE.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health**Of the City and County of San Francisco—*

GENTLEMEN: I hereby present to your Honorable Board the yearly report of the Medical Department of the City and County Almshouse for the fiscal year ending June 30, 1897

Number of inmates July 1, 1897.....	921
Average number of inmates.....	912
Number of deaths during year.....	119
Number of patients treated.....	4,104
Number of prescriptions.....	7,832
Cost of drugs, alcohol and liquors, etc.....	\$1,118 46

The general health of the inmates is good.

The hygienic condition of the wards, rooms, etc., due to careful attention to cleanliness and proper ventilation; and the sanitary condition of the buildings, lavatories, outhouses, etc., due to recent improved drainage and sewerage system, and plentiful use of disinfectants, is very creditable.

The following is the statistics of the daily average number of inmates, the number of deaths and also the expenses of the Medical Department for the last five years.

YEAR.	DAILY AVERAGE NUMBER OF INMATES.	DEATHS.	EXPENSES OF MEDICAL DEPARTMENT.
1892-93	752	139	\$1,591 08
1893-94	782	138	1,465 72
1894-95	824	166	1,439 31
1895-96	847	146	1,450 99
1896-97	912	119	1,118 46

Respectfully submitted,

W. E. CONLAN, M.D.,

Resident Physician

## HOSPITAL REPORT.

SAN FRANCISCO, July 1, 1897.

*To the Honorable the Board of Health  
Of the City and County of San Francisco—*

GENTLEMEN: I have the honor to present herewith for your consideration the forty-fourth annual report of the City and County Hospital for the fiscal year 1896-97.

The following summary has been compiled from the several statements enclosed herewith and which form a part of this report.

## SUMMARY.

Patients in Hospital July 1, 1897	294
Patients admitted to the Hospital during the fiscal year	3,583
Total to be accounted for	3,877
Patients discharged cured	1,395
Patients discharged improved	1,237
Patients discharged unimproved	287
Patients sent to Alms-house	56
Patients referred to Insanity Commissioners	20
Patients died during the year	504
Patients remaining June 30, 1897	378
Total accounted for	3,877
Least number of patients during the year (July 5, 1896)	287
Greatest number of patients during the year (April 23, 1897)	410
Total number of days' treatment	130,253
Daily average of patients	357.04
Daily average of officers and employees	103.41
Percentage of deaths to results	14.11
Percentage of deaths to total number treated	13
Average time under treatment (days)	33.6
Cost of subsistence per person, per diem	\$9.169
Cost of subsistence per patient, per diem	0.217
Total expense per patient, per diem	0.735

## HOSPITAL REPORT.

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Total amount expended during the fiscal year.....	\$85,748 15
Expended for "special repairs".....	14,718 35
Drugs and provisions furnished Smallpox Hospital.....	2,089 84
Drugs furnished Magdalen Asylum.....	88 85
Actual outlay for current expenses.....	78,851 10
Amount of appropriation for Hospital purposes.....	\$75,000 00
Amount of appropriation for "special repairs".....	10,000 00
Deficiency met by transfer from the Alms-house appropriation and by special appropriations by the present Board of Supervisors .....	10,748 15

In the various monthly reports forwarded to the Board of Health since my assumption of the duties of Superintendent Physician, on January 15th of the present year, I have dealt in detail with the many irregularities of administration which occurred previous to my incumbency; therefore it will be almost unnecessary to burden this communication with a prolonged and elaborate recital of the numerous disagreeable circumstances which have marred the conduct of this Hospital, and which have tended to promote the unenviable public notoriety to which it has long been subject.

A brief reference, however, must be made to the disgraceful methods pursued in the disposition of the "Repair Fund" of \$50,000, granted as a special appropriation by the last Board of Supervisors for the purpose of improving the sanitary condition of the Hospital. This sum, had it been properly expended, would have been ample for the temporary improvement of the sewer system and a partial renovation of the interior of the buildings. There appeared to be an insatiable desire on the part of certain contractors employed to make the necessary repairs under this fund to pocket whatever they could secure of this money, and at the same time to do little or no work in return therefor. These facts were so palpable on my first tour of inspection as Superintendent Physician, that your Honorable Board was requested to appoint an expert to investigate the amount of work accomplished by these contractors, as well as the amount of money already paid to them. The revelations brought forth by this investigation showed gross overcharges and absolute dishonesty on the part of nearly every contractor engaged in the prosecution of this work. A list of the names of the culpable parties was submitted to your Board and also to the Grand Jury, together with an accurate detail of all labor performed and all overcharges. The Hospital Committee of the Grand Jury took a keen interest in this matter, and its members, Messrs. Brunt, Nobmann and Tracy, made many visits to the Hospital and made a close examination into the character of the derelictions, with the result that they confirmed in every respect the reports of the expert, Mr. Grillin, and further subjected all parties concerned to a most rigorous inquiry, which finally terminated in the indictment by the Grand Jury of several of the offenders. It is a matter of regret, however, that several of the perpetrators of the most apparent frauds have been reported by the District Attorney as immune from punishment, and that cases against them would not be actionable, their only offenses consisting of overcharges which were favorably passed upon by the last executive officer of this hospital and also by the Chairman of the Hospital Committee of the last Board of Supervisors, and their claims further approved by the Auditor of the City and County of San Francisco.

Reference to the various reports of the expert will show that enormous sums of money were paid to contractors for so-called kalsomining of various wards, and the concreting of limited areas of flooring. In all, the sum of \$1,275 was expended in the alleged kalsomining of thirteen wards with their corresponding vestibules and pantries, and, in addition, two small operating rooms. This work was of a crude and inferior character, and, instead of improving the appearance of the

wards, actually left them in a worse condition than before the work was commenced. During the administration of Superintendent Physician F. H. Titus, the kalsomining of all the wards was performed in a satisfactory manner by the labor of the inmates at the simple cost of the material used, amounting to about \$150. These figures speak for themselves, and comparison is not only odious but unnecessary.

The contractor in charge of the concrete work was so liberally paid in proportion to the amount of work performed by him that the Grand Jury, taking cognizance of his exorbitant demands for remuneration, returned an indictment against him. This indictment was subsequently set aside by reason of a technicality.

Four small wooden reel houses for the boizment of fire hose were constructed in the hospital grounds and paid for out of the Repair Fund. The cost of the houses, outside of the price of the material used, averaged nearly \$40 each. This would represent the labor of ten carpenters for one day on each structure, or reversing the ratio, it would have taken one carpenter ten days to erect one reel house. Expert builders who have examined these reel houses have estimated that, at the outside limit, \$15 would have amply sufficed for the construction of each. The same extravagant vein of expenditure runs through the accounts of all the carpenter work performed, and one cannot refer to the bills of the plumber without profound admiration for the system of finance employed for his own personal profit; and it is safe to assert that the Repair Fund has been a "good thing" for all who had a chance to draw upon it.

In January of the present year, owing to the greed of the above mentioned contractors and the wholesale loot of the Repair Fund, the sanitary condition of the hospital was in a deplorable state. The Repair Fund was already overdrawn to the extent of nearly \$1,000. The entire sewer system had been opened up, and the broken and leaky pipes lay exposed in the depths of the yawning trenches. The large concreted sewers situated under the hospital driveway for the conveying of the drainage of the entire hospital into the street main, were broken and uncovered at the bottom of an enormous excavation which occupied the entrance to the reservation. Whatever sewage passed through these pipes failed to reach the street mains, but discharged directly into the excavation. For several weeks all traffic through the front gate was completely blockaded, and as a consequence the rear entrance was necessarily utilized as the only available thoroughfare for teams.

In many of the wards soil pipes had been disconnected and left open and the drainage diverted from its proper channels, so that the total sewage of the hospital was being discharged into the open trenches and in several places directly upon the surface of the ground, where it was continually being absorbed by the soil. The atmosphere reeked with the stench from the open drains; the germ-laden effluvia from the fetid streams which trickled through the ground permeated every department of the hospital, undermining the health of the well and intensifying the distress of the sick.

Your Honorable Board will recollect that a resolution was passed by which the Maternity Ward was closed during the months of January and February, this being deemed an absolute necessity for the purpose of protecting parturient women from the disastrous consequences which would have resulted from their being exposed to the then prevalent elements of danger to life.

On the accession to office of the present Board of Supervisors, speedy steps were at once taken to relieve the conditions above quoted. The members of the Hospital Committee of that Board, Messrs. Dodge, Clinton and Rottanzi (all three, providentially, being intelligent medical men), took in the situation at a glance and put forth energetic efforts to restore the hospital, as far as possible, to a condition fit for habitation. Under their direction the worthless iron-stone pipe, the relics of previous sewer systems, which was lying broken, warped at the joints and filled with eucalyptus undergrowth, was taken up and replaced by cast-iron pipe under

the careful superintendence of Plumbing Inspector Sullivan. As a result of the interest shown by this Hospital Committee, the greater part of the hospital building is now properly drained, and, although much criticism has been directed toward the Plumbing Inspector for his arbitrary action in insisting upon the use of cast-iron as a substitute for iron-stone pipe, the wisdom of such a course is clearly in evidence to any unbiased person who has had the opportunity of inspecting the piping which was removed.

An attempt has been made during the present administration to improve the appearance of the hospital grounds, which during the preceding regime had been notoriously neglected. In order to bring about this improvement, the assistance of Sheriff Whelan was invoked and a request made for the services of a squad of prisoners. The Sheriff responded promptly, and under his orders a number of prisoners were sent over daily for several weeks from Branch Jail No. 2. While this labor was available, many eucalyptus trees, which had hitherto encumbered the grounds, were cut down and sawed into lengths suitable for use in the furnace. Much valuable fuel was thereby obtained, and the removal of these trees not only added materially to the appearance of the reservation, but permitted the entrance of light and warmth into wards previously overshadowed. The fences, outbuildings and substructure of the hospital were thoroughly scraped and whitened, so that by the time the labor of the prisoners was completed the grounds were more cleanly and the general effect more cheerful than at any time for years past.

The hospital, situated as it is in the warmest portion of the city, should, under proper care, have been surrounded by the choicest flowers and shrubbery, climatic conditions being most favorable to their culture. The gardener of the hospital, for lack of assistants and material, had been unable to bring about any decided results in the matter of floriculture. In the early part of the present year he was given two assistants, at an aggregate expense of \$10 per month, and a small amount from the petty fund was expended for seeds and slips. The Park Commissioners were asked to contribute plants and shrubs, and responded liberally. Within the short space of six months fully one-half of the ground in the rear of the hospital, which for many years had been a barren patch of soil, utilized for the reception of all kinds of debris, has been transformed into a charming garden spot, and by the time the summer of 1898 will have arrived the large additional area will have been fertilized and devoted to garden purposes.

The manner in which this hospital has been neglected in the past by municipal authorities is a signal and standing reproach. The capacity of the hospital is the same as when erected twenty-five years ago. Since then the population of the city has doubled, but the annual appropriations have been progressively lessened. In every ward much of the bedding is in tatters and many of the windows uncurtained. The surgical appliances and instruments are in most instances imperfect, of inferior quality, and many of them obsolete. Of late years surgical instruments purchased for the hospital have been of the cheapest grade and entirely unsuited for hospital work; their condition necessitating frequent repair, and very often complete abandonment of their use. The present equipment of instruments in the surgical division of this hospital is emphatically the poorest and most worthless of any institution in San Francisco; and the Visiting Surgeons are frequently compelled to bring to the hospital instruments from their own private collection in order that they may procure satisfactory results in their service.

The hospital is entirely lacking in electrical appliances, two or three old and worn out Faradic batteries constituting the entire outfit. It is therefore an impossibility for the visiting or resident staff to treat in either a scientific or intelligent manner patients requiring the application of electricity. This is a defect which should receive prompt attention and be remedied without delay.

Every first-class hospital in the country has a library connected with it for the use of the resident staff. As a matter of course this hospital has none. There should be, as an integral part of the institution, a complete medical library for

the use and instruction of the resident medical officers. This, however, would probably be looked upon by the guardians of the public treasury as an extravagant luxury, and the mere suggestion of such an un-San Franciscan innovation will no doubt be hailed as heretical and may possibly be instrumental in producing apoplectic attacks among indignant municipal financiers. I make bold, however, to recommend that a certain portion of the annual appropriation for the coming fiscal year be set apart for the purchase of standard medical works to form the nucleus of a library for the hospital.

Much of the work in the hospital could be facilitated were proper electric and telephonic communication established between the executive department and the various wards. Valuable time now lost in the transmission of messages throughout the institution would be saved, and a reduction in the number of minor employees could readily be made. At present a system of signals, handed down from time immemorial is now in use. These signals are made known to the entire hospital by the clanging of an enormous gong which "hath murdered sleep" for many years and has constantly been the cause of disturbing the rest and contributing to the increased discomfort of sick and dying patients. This relic of barbarism should be relegated to the Park Museum as a brazen exhibit of noisy economy as practiced in the City and County Hospital of San Francisco. The placing of a suitable electric bell and telephonic system would entail a comparatively light expense, and would accomplish the elimination of the disagreeable gong system now employed, and I recommend unreservedly that this matter be seriously considered by your Board and an appeal made to the Board of Supervisors to provide for this reform.

Another serious defect marring the efficiency of the hospital is the absence of appropriate quarters to be used as places of resort for patients who are convalescent and able to leave their wards. Such patients are compelled, during inclement weather, either to remain at their bedsides in the wards or to take their exercise in the main corridor, through which the wind frequently blows like a hurricane and where they are not allowed to congregate on account of impeding the movements of the employees. In the interest of humanity a pavilion, partially roofed with glass, should be erected at a short distance from the main building, to which patients could repair and have the benefit of warmth and freedom from the unpleasant surroundings of the wards to which they belong. This pavilion could have separate compartments for male and female patients and could be used at all times during the day as reading and smoking rooms, and the comfort of those privileged to occupy it greatly enhanced. This proposition will undoubtedly call forth condemnation as a tax-eating extravagance and an unnecessary expense to the city; nevertheless, I submit it to your consideration in the hope that you will urge its adoption.

It is a notorious and flagrant fact that the hospital is entirely without facilities for the removal and escape, in case of fire, of patients located upon the upper floors. Only one upper ward of the hospital is provided with means of egress at the rear. The buildings are of frame, old and dry, and without a single fire escape. They are so arranged that were a fire to obtain headway it would sweep through the long corridor, and in a few minutes the entire structure would be completely consumed. Filled, as the hospital is, at all times of the year, with helpless and bed-ridden patients it would be an absolute impossibility to remove them in time to a place of safety, and the loss of life would be appalling. I predict that this catastrophe will surely overtake this hospital at some unexpected moment, and the economists of the city will then have the satisfaction of knowing that through their conservative parsimony a large portion of the city's wards will have been roasted to death, and this tax-burdened municipality relieved for a time of the hospital incubus. Such a magnificent conflagration, with its accompanying bonfire of incineration, would be a gorgeous and lurid demonstration in honor of the perpetuation of the "dollar limit." An additional spasm of glee and exaltation would in all probability animate

our local Apostles of Retrenchment were some of the "useless employees," so much talked of, included in the sacrificial burnt offering to the tin god "Economy."

Another constant menace to life and property is the worn-out boiler in the engine room. All the tubes are leaky, the back burnt through and an explosion is liable to occur without warning. The twenty-five foot iron smoke stack surmounting the brick chimney has long been in service and has burnt through from top to bottom, and the upper section has fallen of its own weight to such an angle that a reverse draught has been created, and the doubtful efficiency of the entire plant still further minimized. An accompanying photograph serves to illustrate the peculiar position of the smoke stack with relation to surrounding objects.

The laundry is entirely inadequate for the needs of the hospital. The machinery is old and imperfect, necessitating frequent repair, and for this reason the work is perforce hurried and incomplete. Much of the labor is done by hand and the clothing and bedding returned to the wards insufficiently laundered. A steam mangle is imperatively required as a part of the equipment. Furthermore, the space occupied by this department is very limited, and although the laundry force is small, there is not enough room to permit of the proper handling of the washing. The flooring is worn through in the ironing room and the dryer has outlived its usefulness. Another photograph is here submitted, showing the overcrowded condition of the washroom. In a public hospital the provisions for cleanliness should take precedence with skilled medical treatment and proper feeding over all other requirements, but in this hospital the laundry has for years been a bone of contention between Boards of Supervisors and hospital authorities, the Boards of Supervisors invariably triumphing and permitting the laundry to lapse still further in its deterioration until it has reached its present disgraceful stage of decrepitude.

The Training School for Nurses is in active operation, and about thirty pupil nurses are under instruction. Reference to the report of the Principal of the Training School will indicate the methods pursued in the conduct of the school and the quality of work carried out under its auspices. This division of the hospital had been neglected through indifference on the part of the last administration, and the lecture course discontinued through lack of sufficient effort to maintain it. The discipline of the school was seriously affected and its organization imperilled. Radical treatment of certain disturbing elements in the personnel of the school, the delegation of proper authority to the Principal, and the re-establishment of the course of lectures, have militated toward its improvement, and at the present time the services performed by its pupils in the different wards of the hospital are worthy of commendation. Your attention is again directed to the report of the Principal of the Training School, setting forth the many disadvantages under which it is conducted. The number of pupils is too small for the amount of work required of them, and the living apartments of the nurses are totally inadequate. A study of the comparative table embodied in the Principal's report will show this hospital to be the most scantily supplied with nurses of any on the list; the average in the principal hospitals to which Training Schools are attached is four patients to each nurse, while in this hospital the number assigned to the care of a pupil nurse averages fourteen. This paucity of nurses will, beyond doubt, meet with the approval of the "economists," but it imposes excessive labor upon the nurse and prevents the sufficient attention being given to patients. The number of nurses could be doubled at a nominal expense with material gain to the efficiency of the hospital, but under the present circumstances accommodations are so limited that the plan will be impracticable.

The report of the Steward states in detail the expenses of the hospital for the past year. Under the present administration the directions of the visiting staff as to diet and medicines have been carried out, and no attempt has been made to curtail their orders. It has been assumed, and with perfect justice, that the members of the visiting staff are sufficiently intelligent to recognize the needs of

the patients entrusted to their care, and any action on the part of the executive department of the hospital tending to alter or abridge the orders for food or medicines issued by them is a direct insult to their skill and an injustice to the patients. The methods pursued in some of the previous administrations of arbitrarily changing the diet sheets and prescriptions of the Visiting Staff are to be condemned as reprehensible and deserving of censure. Subsistence could readily be limited and reduced to the standard of Dotheboys Hall, were lard to be used instead of butter; were the variety of molasses, known as "Black Strap," to be furnished instead of sugar; water given in lieu of milk, and medicines juggled with in proportion. At the present time these substitutions are not practiced, and the yearly expense has consequently been greater than would meet with the approval of persons who are more interested in reducing the tax levy than in alleviating the sufferings of their fellow-men.

The statements of Superintendent Physician Titus in his last annual report concerning the difficulties of preserving proper discipline in the hospital, owing to the failure on the part of the appointing power to vest the executive officer with proper authority over his subordinates, strike emphatically the key note of hospital mismanagement. No Superintendent can properly administer the affairs of an institution of which he is presumed to have control, unless those under him recognize that his authority is unquestioned and that his rulings will receive the undivided support of the administrative Board. The misfortune of this hospital has been that every subordinate officer and employee considered his or her tenure of office, not conditional upon the faithful performance of duty, but as dependent only upon favoritism of some particular member of the Board of Health, or upon the exercise of a "pull" with the prevailing political faction. Whenever an employee is privileged to go behind the dictum of his superior officer and appeal to the higher authority, the discipline of the institution in which he is a servant is surely and irreparably undermined.

Under the present system of double government the Board of Health is possessed of limited power. It can only appoint the officers and employees of the hospital and regulate their salaries, the disposition of all other expenditures being relegated to the Board of Supervisors. The Superintendent Physician of the hospital consequently occupies an unenviable position. He is compelled to await the pleasure of the Hospital Committee of the Board of Supervisors in matters appertaining to the purchase of all necessary supplies, such as subsistence, drugs and surgical instruments. Should the members of this committee feel disinclined to honor requisitions, no matter how urgent the necessity may be, the hospital is thereby deprived correspondingly. The administration of the hospital is then open to public criticism, and accusations of neglect and indifference are made against the executive officer, and the Board of Health, who appointed him, held culpable for his derelictions, while the Supervisors who may be to blame for such condition of affairs are free from unfavorable comment.

The Superintendent Physician is held responsible for all expenditures from the hospital appropriation, but at the same time has no voice in the awarding of contracts, in the correction of overcharges, nor in any particular can he regulate the disposition of the hospital funds. It is a matter of record that during the last administration bills for non-contract work amounting individually to more than \$500 have, contrary to law, been presented to this hospital and approved by the Supervisory Committee. During the month of December, 1896, plumbing bills from one firm, aggregating more than \$2,600, were presented, approved and paid. The letter of the law, however, was adhered to inasmuch as each bill called for a smaller amount than \$500, but the spirit of the law was outrageously violated, as all these bills were evidently intentionally divided into smaller sums in order to avoid detection. As already stated, this money was paid, but all the hospital received in return were the open trenches and the disconnected plumbing mentioned elsewhere.



The law evidently presumes that Boards of Health are incompetent, mentally and morally, to manage the expenditures of eleemosynary institutions, and therefore confers such responsibility upon the laity. The present fortunate circumstances of having a Hospital Committee of the Board of Supervisors, composed entirely of medical men, is an accident not liable to occur again in the history of San Francisco, and the harmony existing at the present time between this committee and your Board will not be transmitted as a heritage to your and their successors. So long as this double government prevails, scandals of administration are unavoidable; and the direction of hospital affairs should be relegated to one governing body, having absolute power over its finances as well as the regulation of the conduct of its officers and employees. This can be best accomplished by the organization of a Board of Charities, composed equally of reputable physicians and honest laymen, the members of this conjoint commission to be appointed by the Mayor of the city, who as a rule will make judicious selections. When this idea is perfected and brought to an issue the City and County Hospital can be so conducted as to be a credit to the city.

The action of your Board in requiring certain officers and employees to be uniformed according to their rank, has been productive of good results and has contributed to the improvement of discipline as well as personal appearance.

With a view to increasing the comprehensiveness of the statistical portion of this report a number of diagrams have been prepared. Several of these demonstrate the percentage of mortality due to certain diseases. It will be seen that out of the total of 504 deaths occurring during the last fiscal year, 23 resulted from pneumonia, 39 from cancer, 68 from diseases of the heart, while tuberculosis heads the list with 147. The fact that 30 per cent of the entire mortality of the hospital is due to tubercular disease is a sufficiently strong argument as to its prevalence and the necessity of controlling its spread by suitable municipal and State legislation.

I regret to state that there is no question but that a considerable proportion of the cases of tuberculosis treated in this hospital are directly resultant from association in the wards with other patients suffering from this disease. The records of the hospital show that patients who have been treated for bronchial and other complaints have re-entered the hospital, having become, in the meantime, the victims of tuberculosis contracted during their previous residence in the wards. The visiting and resident staff will vouch for the truth of this assertion, and can refer directly to cases which have come under their immediate observation. Although the effort is made to isolate the patients who are suffering from this form of disease, yet, owing to the lack of sufficient accommodations in other portions of the hospital, other cases must necessarily be admitted to the same wards.

That this hospital, instead of being a resort for the relief and cure of disease, has become a hot bed for the culture of tubercle bacilli, and is continually serving as a focal point for the dissemination of tubercular infection, is a crime which can be laid at no other door than that of the city government, which at all times has been apathetic if not actually antagonistic to any measure intended to reform the present imperfect and insufficient apology for a public hospital.

"The primary function of hospitals is the successful treatment of diseases and accidents in the strictest relation to the interests and advantages of the sick and stricken individual. To this all other relations, scientific and administrative, must be absolutely subordinated in spite of the wide-spread popular belief to the contrary."

This quotation from the report of a prominent Eastern hospital authority should serve as a cardinal text for the guidance and instruction of those upon whom the responsibility of conducting public hospitals devolves. A hospital is not to be considered as a paupers' retreat, but as a shelter for the common people temporarily disabled, where under the treatment of skilled physicians and educated nurses they may be restored in the shortest possible time to health and a wage-earning capacity, and thus rendered independent of public charity.

There has, apparently, been little effort on the part of previous administrations to compile and collate, for the benefit of the medical profession, the data relative to the vast amount of medical and surgical material cared for every year in the wards of this hospital. Observation of the annual reports for the past twenty-five years shows that up to the presentation of this report an antique and unsatisfactory system of alphabetical classification of diseases has been in use. Statistics rendered in such a manner are of no value to the reader, and their insertion in the body of any report simply adds to the bulk and detracts from its worth. In the preparation of this report considerable care has been taken to classify the different diseases, for which patients have been admitted, in such a manner as to constitute a comprehensive and intelligent resume of the year's work. Although this classification may be imperfect in some respects, yet it establishes a plan which, if followed out and improved upon during the coming year, will result in a thoroughly reliable and complete tabulation of diagnoses in the next annual report.

Notwithstanding the great quantity and variety of clinical and pathological material handled yearly by the hospital staff, the annual reports of the hospital have hitherto contained no records or histories in elaboration of interesting cases. This is in marked contradistinction to the custom of the large hospitals in the East and in Europe, the annual reports of which always contain valuable information in addition to bare statistics. I would recommend that the Board appoint an official Pathologist, under suitable salary, to be attached to this hospital, whose duty it shall be to assume charge of all pathological specimens, post-mortem and otherwise, to examine the same and to report in full the result of his investigations to the Superintendent Physician; such results to be compiled and to form part of the annual report of the hospital.

In conclusion I might venture to suggest that in recommending improvements of the hospital, in the matter of new buildings and the repair of the present structures, time may possibly have been wasted, as many of these buildings are practically beyond repair and any attempt to place the plant in suitable condition would result in an unwarranted and enormous outlay of money. To sum up briefly, there is little to commend and much to condemn. The City and County Hospital is simply an aggregation of buildings, inadequate in size, insufficient in arrangement, and rotten by reason of their great age. At the time they were built they were intended as a temporary expedient for hospital purposes. They have been allowed to remain in their present situation until they are rapidly falling to pieces from decay. For a quarter of a century they have served as a refuge for every known form of disease. They are saturated with filth and impregnated with germs. They are a menace to the health of the community in which they are located. They are a disgrace to civilization and an ulcer upon the municipality. They give the lie to our boasted Western generosity, and have perverted a public charity into a public nuisance. They cannot be improved; they cannot be reconstructed. Their further continuance is a crime against humanity, and in the interest of the common good they should be abandoned and demolished. I unreservedly and unhesitatingly recommend the speedy condemnation and utter demolition of the present City and County Hospital, and the erection in its stead of a new structure, modern in its design, intelligent in its conception, scientific in its appliances, and one to which the city and State may point with pride and not with shame.

Respectfully submitted,

JOHN M. WILLIAMSON, M.D.  
Superintendent Physician.

## YEARLY SUMMARY

SHOWING NUMBER OF PATIENTS ADMITTED AND DISCHARGED AND DAILY  
AVERAGE FOR 26 YEARS.

FISCAL YEAR ENDING JUNE 30—	Number of Patients re- maining on 1st of year.	Number of Patients ad- mitted during the year.	Total number treated du- ring the year.....	Total number discharged during the year.....	Average daily for year..
1872.....	296	2,365	2,561	2,417	289.3
1873.....	244	2,863	3,107	2,804	331.1
1874.....	303	3,231	3,534	3,197	367.3
1875.....	337	3,921	4,258	3,876	387.2
1876.....	382	3,376	3,758	3,363	374.5
1877.....	295	3,012	3,307	3,005	360.2
1878.....	308	3,007	3,375	2,990	383.5
1879.....	351	3,174	3,525	3,163	379.1
1880.....	302	2,955	3,317	2,946	383.0
1881.....	371	3,204	3,575	3,210	383.1
1882.....	365	3,151	3,516	3,173	383.0
1883.....	344	3,002	3,346	2,997	366.4
1884.....	349	3,288	3,637	3,278	389.1
1885.....	359	3,191	3,550	3,159	389.2
1886.....	391	3,140	3,531	3,130	392.3
1887.....	401	3,128	3,529	3,137	411.6
1888.....	292	2,914	3,206	2,951	304.3
1889.....	255	3,022	3,277	2,972	310.5
1890.....	365	3,466	3,771	3,419	324.3
1891.....	352	3,468	3,820	3,452	375.2
1892.....	368	4,393	4,761	4,373	294.2
1893.....	288	3,614	3,902	3,559	318.0
1894.....	343	3,782	4,125	3,700	413.6
1895.....	425	2,680	3,105	2,839	301.95
1896.....	266	3,422	3,688	3,394	332.2
1897.....	294	3,583	3,877	3,499	357.04

TABLE SHOWING NUMBER OF PATIENTS REMAINING ON FIRST OF EACH MONTH, NUMBER ADMITTED, NUMBER DISCHARGED, AND AVERAGE FOR MONTH.

MONTH,	Number of Patients remaining on first of month.....	Number admitted during month.....	Total number discharged during month.....	Average number under treatment during month.....
1896—July.. .....	294	308	283	306.1
August.....	319	273	293	311.19
September.....	299	294	259	321.4
October.....	334	305	309	342.32
November.....	330	303	298	333.63
December.....	335	336	299	362.03
1897—January.....	372	299	304	378.45
February.....	367	265	241	381.64
March.....	391	323	315	388.39
April.....	399	284	296	393.3
May.....	387	294	305	392.64
June.....	376	299	297	373.4
July 1st .....	378			
Totals.....		3,583	3,499	357.04

## CIVIL CONDITION OF DECEASED PATIENTS.

	MALE.	FEMALE.	TOTALS.
Single.....	263	25	288
Married.....	65	49	114
Widowed.....	53	41	99
Unknown.....	3		3
Totals.....	389	115	504

## AGES OF DECEASED PATIENTS.

	No.		No.
Under 1 year.....	4	From 60 to 70 years.....	83
From 1 to 10 years.....	1	From 70 to 80 years.....	25
From 10 to 20 years.....	9	From 80 to 90 years.....	7
From 20 to 30 years.....	78	From 90 to 100 years.....	
From 30 to 40 years.....	101	From 100 to 110 years.....	1
From 40 to 50 years.....	91	Unknown.....	1
From 50 to 60 years.....	103	Total.....	504

## SEX OF DECEASED PATIENTS.

SEX.	NUMBER.
Males .....	389
Females. ....	115
Totals.....	504

## RACE OF DECEASED PATIENTS.

RACE.	NUMBER.
Caucasian.....	469
Negro.....	22
Mongolian .....	10
Indian .....	1
Malay.....	2
Total.....	504

## NATIVITIES OF PATIENTS.

## UNITED STATES.

Alabama.....	6	Nebraska.....	5
Alaska.....	2	Nevada.....	14
Arkansas.....	2	New Hampshire.....	7
California.....	462	New Jersey.....	13
Colorado.....	2	New York.....	247
Connecticut.....	13	North Carolina.....	5
Delaware.....	5	North Dakota.....	1
District of Columbia.....	5	Ohio.....	71
Georgia.....	4	Oregon.....	15
Illinois.....	45	Pennsylvania.....	66
Indiana.....	27	Rhode Island.....	7
Iowa.....	18	South Carolina.....	4
Kansas.....	9	Tennessee.....	6
Kentucky.....	18	Texas.....	9
Louisiana.....	11	Utah.....	4
Maine.....	30	Vermont.....	9
Maryland.....	18	Virginia.....	21
Massachusetts.....	110	Washington.....	7
Michigan.....	25	West Virginia.....	3
Minnesota.....	9	Wisconsin.....	16
Mississippi.....	5	Unknown.....	2
Missouri.....	28		
Montana.....	1		
		Total.....	1,387

## NATIVITIES OF PATIENTS.

## FOREIGN.

Australia.....	15	Isle of Man.....	1
Austria.....	58	Italy.....	82
Azores Islands.....	4	Japan.....	18
Belgium.....	8	Mexico.....	25
British Columbia.....	1	New Brunswick.....	2
Canada.....	76	New Foundland <sup>1</sup> .....	1
Chili.....	10	Norway.....	60
China.....	15	Nova Scotia.....	11
Denmark.....	56	Panama.....	1
East Indies.....	2	Philippine Islands.....	4
Egypt.....	2	Portugal.....	15
England.....	204	Romania.....	2
Finland.....	25	Russia..... <sup>d</sup>	25
France.....	78	Sandwich Islands.....	3
Germany.....	332	Scotland.....	73
Greece.....	8	Sweden.....	77
Holland.....	8	Switzerland.....	55
Hungary.....	1	Tasmania.....	1
Ireland.....	816	Turkey.....	1
Isle of Malta.....	1	West Indies.....	9
Total.....			2,196
Total United States.....			1,387
Total.....			3,583



## BIRTHS.

BIRTHS.	1896.						1897.						Totals.
	July	August	September	October	November	December	January	February	March	April	May	June	
Males, white.....	8	3	4	7	5	6	1	2	3	9	13	13	74
Females, white.....	8	5	8	4	2	6	12	..	4	6	8	6	59
Males, colored.....												1	1
Females, colored.....													
Totals.....	16	8	12	11	7	12	3	2	7	15	21	20	134

## STILL BORN.

BIRTHS.	1896.						1897.						Total.
	July	August	September	October	November	December	January	February	March	April	May	June	
Males, white.....				1	..	..	..	..	1	..	..	1	3
Females, white.....			1	..	1	..	..	..	1	..	..	..	3
Total .....			1	1	1	..	..	..	1	1	..	1	6

## HOSPITAL REPORT,

## CORONER'S CASES.

CORONER'S CASES.	1896.						1897.						Totals.
	July	August	September	October	November	December	January	February	March	April	May	June	
Males.....	1	7	1	3	5	6	1	1	4	...	5	4	37
Females.....	...	1	...	...	...	1	2	...	...	1	1	...	6
Totals.....	1	8	1	2	5	7	3	1	4	1	6	4	43

## NATIVITY OF DECEASED PATIENTS.

NATIONALITY.	NUMBER.
United States.....	190
Foreign.....	313
Unknown.....	1
Total.....	504

## OCCUPATION OF PATIENTS.

OCCUPATION.	NUMBER.	OCCUPATION.	NUMBER.
Actor . . . . .	3	Butcher . . . . .	34
Actress. . . . .	6	Butler . . . . .	2
Ammonia maker. . . . .	1	Cabinetmaker . . . . .	10
Apiarist . . . . .	1	Candymaker . . . . .	1
Artist . . . . .	3	Canmaker . . . . .	1
Assayer . . . . .	1	Canner . . . . .	4
Baker . . . . .	30	Canvasser . . . . .	7
Barber . . . . .	20	Card writer . . . . .	2
Bartender . . . . .	23	Carpenter . . . . .	90
Bedmaker . . . . .	8	Carpet-layer . . . . .	2
Beer-bottler . . . . .	1	Car-repairer . . . . .	1
Bellboy . . . . .	2	Carriagemaker . . . . .	3
Bill poster . . . . .	1	Carriage-painter . . . . .	5
Blacksmith . . . . .	34	Chambermaid . . . . .	1
Boardinghouse keeper. . . . .	1	Check-maker . . . . .	1
Boat builder . . . . .	1	Chimney-maker . . . . .	1
Boilermaker . . . . .	16	Chiropodist . . . . .	1
Bookbinder . . . . .	2	Cigarette-maker . . . . .	1
Bookfolder . . . . .	1	Cigarmaker . . . . .	7
Bookkeeper . . . . .	13	Clerk . . . . .	68
Bootblack . . . . .	10	Coachman . . . . .	7
Boxmaker . . . . .	3	Collector . . . . .	3
Brakeman . . . . .	3	Compositor . . . . .	1
Brass-finisher . . . . .	2	Conductor . . . . .	3
Brewer . . . . .	7	Confectioner . . . . .	5
Bricklayer . . . . .	10	Contractor . . . . .	3
Broom-maker . . . . .	1	Cook . . . . .	201
Brush maker . . . . .	1	Cooper . . . . .	14
Buggy-washer . . . . .	5	Copyist . . . . .	2

## OCCUPATION OF PATIENTS—CONTINUED.

OCCUPATION.	NUMBER.	OCCUPATION.	NUMBER.
Core-maker.....	1	Governess.....	1
Currier.....	1	Grainer.....	1
Dairyman.....	2	Gripman.....	1
Deck-hand.....	1	Groom.....	4
Dishwasher.....	28	Guide.....	2
Dentist.....	2	Hackdriver.....	1
Domestic.....	343	Hackman.....	4
Dressmaker.....	46	Hairdresser.....	1
Driver.....	4	Harnessmaker.....	1
Druggist.....	5	Harness-washer.....	1
Drummer.....	3	Hatter.....	1
Dyer.....	3	Hed-carrier.....	5
Electrician.....	1	Hop-picker.....	1
Engineer.....	30	Horse-man.....	3
Expressman.....	6	Horse-shoer.....	3
Farmer.....	4	Horse trader.....	2
Fireman.....	21	Horse trainer.....	2
Fish-curer.....	1	Hostler.....	33
Fisherman.....	7	Hotelkeeper.....	1
Fish peddler.....	1	Housekeeper.....	52
Florist.....	3	House mover.....	2
Framemaker.....	1	Housewife.....	26
Gardener.....	20	Ironmolder.....	15
Gasfitter.....	5	Ironworker.....	11
Gilder.....	3	Janitor.....	14
Glass beveler.....	1	Jeweler.....	3
Glass-blower.....	2	Jockey.....	2
Glazier.....	2	Laborer.....	792
Glovesmaker.....	2	Lather.....	1

## OCCUPATION OF PATIENTS—CONTINUED.

OCCUPATION.	NUMBER.	OCCUPATION.	NUMBER.
Laundress.....	16	Packer.....	1
Laundryman.....	11	Painter.....	82
Lawyer.....	5	Pantryman.....	2
Lineman.....	1	Paper hanger.....	2
Locksmith.....	1	Patternumaker.....	1
Longshoreman.....	48	Paver.....	3
Macaroni-maker.....	1	Peddler.....	52
Machinist.....	31	Photographer.....	5
Magnetic healer.....	1	Physician.....	5
Marble cutter.....	2	Plasterer.....	16
Marble polisher.....	1	Plumber.....	13
Masseur.....	1	Police officer.....	1
Master mariner.....	3	Porter.....	36
Merchant.....	4	Pressman.....	1
Messenger boy.....	4	Printer.....	20
Milker.....	11	Purser.....	1
Miller.....	5	Quarryman.....	1
Millhand.....	7	Rag picker.....	2
Milliner.....	9	Real estate agent.....	5
Milkman.....	1	Reporter.....	3
Millwright.....	6	Restaurant keeper.....	1
Miner.....	79	Rigger.....	7
Musician.....	9	Roofer.....	6
Music teacher.....	2	Rope-maker.....	1
Newspaper carrier.....	1	Rubber worker.....	1
Newsdealer.....	2	Sack sewer.....	2
Night watchman.....	4	Saddler.....	1
Nurse.....	20	Sailmaker.....	3
Optician.....	1	Sailor.....	26

## OCCUPATION OF PATIENTS—CONTINUED.

OCCUPATION.	NUMBER.	OCCUPATION.	NUMBER.
Salesgirl .....	1	Stone-cutter .....	12
Salesman .....	9	Stonemason .....	2
Saloon keeper .....	10	Stone-paver .....	1
Sawyer .....	2	Storekeeper .....	1
Schoolboy .....	16	Student .....	2
Schoolgirl .....	8	Surveyor .....	4
School-teacher .....	1	Tailor .....	28
Sculptor .....	1	Tailoress .....	6
Sea-captain .....	1	Tamale-maker .....	1
Seamstress .....	29	Tamale-peddler .....	1
Servant .....	4	Tanner .....	10
Shade maker .....	1	Teacher .....	4
Shearsman .....	1	Teamster .....	138
Ship-calker .....	3	Telegraph-builder .....	1
Ship-carpenter .....	2	Tile-setter .....	2
Ship-liner .....	1	Tinner .....	11
Shipwright .....	1	Traveler .....	3
Shoe-cutter .....	2	Truss-maker .....	1
Shoefitter .....	2	Typewriter .....	3
Shoemaker .....	39	Unknown .....	18
Soldier .....	2	Upholsterer .....	11
Speculator .....	2	Vaquero .....	2
Spinner .....	1	Varnisher .....	3
Stationer .....	2	Wagonmaker .....	3
Steam-fitter .....	3	Waiter .....	66
Steelworker .....	1	Waitress .....	25
Stenographer .....	3	Ward-tender .....	2
Stevordore .....	9	Watchman .....	8
Steward .....	2	Weaver .....	4

## OCCUPATION OF PATIENTS—CONCLUDED.

OCCUPATION.	NUMBER.	OCCUPATION.	NUMBER.
Well-digger.....	1	Winemaker.....	1
Wheelwright.....	1	Wireworker.....	1
White washer.....	1	Wood-polisher.....	2
Windowcleaner.....	3	Wool sorter.....	1
Wine-bottler.....	1	Total ...	3,583

## CASES TREATED IN OUT CLINIC.

	MEDICAL.	SURGICAL.	TOTAL.
1896—July.....	475	245	720
August.....	408	233	641
September.....	380	204	584
October.....		10	10
November.....		6	6
December.....		6	6
1897—January.....		11	11
February.....		9	9
March.....		8	8
April.....		17	
May.....		13	13
June.....		16	16
Total's.....	1,263	773	2,041

## LIST OF DONATIONS.

NAME	ARTICLES.
Mrs. Chapin.....	One box of books.....
San Francisco Fruit and Flower Mission.....	Books and flowers.....
Brown & Power.....	One cherrywood cut glass inkstand.....
William V. Bryan.....	Papers and books.....
Mrs. Jennie Keene.....	Books.....
San Francisco Fruit and Flower Mission.....	Books and flowers.....
Mrs. Oxhard.....	Books.....
San Francisco Fruit and Flower Mission.....	Two boxes of books and flowers.....
Mrs. Hattie Christiesen.....	Books and magazines.....
Mrs. T. Pendergast.....	Books.....
Children, Buena Vista School.....	Flowers.....
Dennett's Cafe.....	Books and papers.....
Volunteers of America.....	Books and papers.....
William V. Bryan.....	Papers and books.....
Volunteers of America.....	Papers.....
San Francisco Fruit and Flower Mission.....	Flowers and papers.....
Dennett's Cafe.....	Books and papers.....
Dennett's Cafe.....	Books and papers.....
First Baptist Church.....	Books and papers.....
San Francisco Fruit and Flower Mission.....	Flowers.....
San Francisco Verein.....	One box of books.....
Dennett's Cafe.....	Books and papers.....
Mrs. Hooker.....	Old linen.....
Dennett's Cafe.....	Papers.....
San Francisco Fruit and Flower Mission.....	Cherries, flowers and papers.....
Dennett's Cafe.....	Papers.....
San Francisco Fruit and Flower Mission.....	Books and flowers.....
William V. Bryan.....	Papers and books.....
Dennett's Cafe.....	Papers.....
Dennett's Cafe.....	Papers.....
Dennett's Cafe.....	Papers.....



## MEDICAL AND SURGICAL DISEASES.

## MEDICAL DISEASES.

CLASSIFIED ACCORDING TO THE NOMENCLATURE OF DISEASES, AS PUBLISHED BY THE  
ROYAL COLLEGE OF PHYSICIANS OF LONDON, AND AMERICAN  
MEDICAL ASSOCIATION.

FROM JULY 1, 1896, TO JUNE 30, 1897.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....	
ACUTE GENERAL INFECTIOUS FEVERS.										
Typhoid fever.....		30	5	35	19	.....	1	12	22	3
With tuberculosis pulmonalis.....		1	.....	1	.....	.....	.....	1	1	.....
Intermittent malarial fever.....	2	122	4	126	96	22	5	.....	123	5
Irregular.....		1	.....	1	.....	.....	.....	.....	.....	1
With lumbago.....		1	.....	1	.....	1	.....	.....	1	.....
With angioma.....		1	.....	1	.....	.....	.....	.....	.....	1
Chronic.....		4	.....	4	2	2	.....	.....	4	.....
Remittent fever.....	1	8	.....	8	8	1	.....	.....	9	.....
Scarlet fever.....		1	.....	1	1	.....	.....	.....	1	.....
Influenza.....	3	10	4	14	15	2	.....	.....	17	.....
Measles.....		14	.....	14	14	.....	.....	.....	14	.....
Erysipelas.....		18	.....	18	17	1	.....	.....	18	.....
Traumatic.....		1	.....	1	1	.....	.....	.....	1	.....
Pseudo-erysipelas.....		1	.....	1	.....	1	.....	.....	1	.....
Varicella.....		1	.....	1	.....	1	.....	.....	1	.....
DIATHETIC DISEASES AND DISEASES OF NUTRITION.										
Articular rheumatism, Acute.....	11	87	12	99	62	35	1	1	99	11
Acute, with pneumonia.....		1	.....	1	.....	.....	.....	1	1	.....
Acute, with senility.....		1	.....	1	.....	.....	.....	1	1	.....
Subacute.....		1	.....	1	.....	1	.....	.....	1	.....



## MEDICAL DISEASES—CONTINUED.

DISEASES	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Unimproved.	Died.	Total.		
Carcinoma—Concluded.										
Of superior maxilla.....		1		1						1
Of inferior maxilla.....		2		2	1		1			2
Epithelioma of tongue.....		1		1			1			1
Alveolar abscess.....		2		2	1	1				2
Abscess of lower maxilla.....		1		1	1					1
Ulceration of tooth.....		1		1	1					1
Coryza.....			1	1	1					1
Glossitis.....			1	1	1					1
Ranula.....			1	1		1				1
Cleft palate.....		1		1	1					1
Nasal catarrh.....		1		1			1			1
OF THE TONSILS.										
Tonsillitis, acute.....		10	6	16	9	6	1			16
Syphilitic.....		1		1			1			1
OF THE LARYNX.										
Acute laryngitis.....			4	4	3	1				4
Laryngeal tuberculosis.....			1	1		1				1
OF THE BRONCHI.										
Acute bronchitis.....	6	37	10	47	28	17	4	1		50
With tuberculosis pulmonalis.....		1		1		1				1
With pleurisy.....		1		1		1				1
With asthma.....		1		1		1				1
With emphysema.....	1	1		1	1	1				2
Subacute bronchitis.....	1	1		1	1		1			2
Chronic bronchitis.....	1	16	2	12	4	8				12
With emphysema.....		1		1	1					1
Capillary bronchitis.....		1		1	1					1

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....	
Septic bronchitis.....		1		1						1
Bronchorrea.....		1		1				1	1	
Asthma, acute.....	1	34	5	39	9	24	1	2	36	4
With malaria.....		1		1	1				1	
With dilatation of heart.....			3	3				2	2	1
With cardiac degeneration.....	1				1				1	
With opium habit.....		1		1						1
Subacute asthma.....		1		1	1				1	
Chronic asthma.....			1	1		1			1	
OF THE LUNG.										
Congestion of the lung.....	1	1		1				2	2	
Broncho-pneumonia.....		3	1	4	4				4	
Abcess of lung.....		3		3	1	1			2	1
Lobar pneumonia.....	4	49	6	55	30	6	1	20	57	2
Double.....		5		5	1			4	5	
With tertiary syphilis.....		1		1		1			1	
With mitral incompetence.....		1		1						1
With ulcer of leg.....		1		1		1			1	
With bronchitis.....		1		1		1			1	
With erysipelas.....		1		1						1
Hypostatic pneumonia.....		2	4	6			2	5	6	
Acute miliary tuberculosis.....		1		1				4	4	
Tuberculosis pulmonalis.....	39	212	51	263	3	57	31	131	262	40
Incipient.....		2		2		1			1	1
With pleurisy.....	1	2		2				2	2	1
With tubercular peritonitis.....		1		1				1	1	
With spondylitis.....		1		1				1	1	
With syphilis.....		1		1				1	1	
With ischio-rectal abcess.....	1					1			1	

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.	
Tuberculosis pulmonalis—Concluded.										
And rectal .....		3		3				2	2	1
With epilepsy .....		1		1						1
With chronic gastritis.....			1	1						1
With traumatic synovitis of knee.....		1		1						1
Cirrhosis of the lung.....		1		1						1
Gangrene of the lung.....		1		1				1	1	
Emphysema .....		9	1	10	1	7	2		10	
OF THE PLEURA.										
Hydrothorax and lobar pneumonia.....		1		1				1	1	
Pleurisy, acute .....	2	26	1	27	17	8		4	29	
Pleurisy and bronchitis .....		1		1	1				1	
Pleurisy, dry .....		1		1		1			1	
Traumatic .....		1		1	1				1	
Subacute, with effusion.....		2	3	5	1	1		2	4	1
Subacute, with pneumonia.....		2		2	1			1	2	
Subacute, with congestion of lung.....		1		1				1	1	
Empyema .....	2	5	1	6	1	1		5	7	1
With gangrene of lung .....			1	1				1	1	
Pleuritic adhesions.....		1		1		1			1	
DISEASES OF THE CIRCULATORY SYSTEM.										
OF THE HEART AND ITS MEMBRANES.										
Acute pericarditis.....		2		2				1	1	1
With pleuritis .....		1		1				1	1	
Chronic pericarditis. ....		1		1		1			1	
Senile heart.....		4		4		1		2	3	1
Fatty degeneration of heart.....	1	3	1	4		2		3	5	
Dilatation of heart.....	1	5		5		5		1	6	

## MEDICAL DISEASES—CONTINUED.

DISEASES	In Hospital July 1, 1893.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Unimproved.	Died.	Total.	
Dilatation of heart—Concluded.									
With cirrhosis of liver.....		1		1			1	1	
With asthma.....		1		1			1	1	
With atheroma of arteries.....		1		1	1			1	
Lipomatosis of heart.....	2	2	3	5	6		1		
With effusive pleurisy.....			1	1			1	1	
Tachycardia.....		1		1	1				
Valvular disease (unclassified).....	6	18	15	33	17	2	19	38	1
With tuberclosis pulmonalis.....		1		1			1	1	
Mitral incompetence.....	3	35	7	42	24	1	17	42	3
And double aortic.....		1		1	1			1	
With pleurisy.....		1		1			1	1	
Mitral stenosis.....		1	2	3	3			3	
Aortic incompetence.....		8		8	3	1	3	7	1
With asthma.....		1		1	1			1	
With cirrhosis of liver.....		2		2	1		1	2	
Mitral and aortic incompetence.....	1	3		3			4	4	
Aortic stenosis and mitral incompetence.....		2	2	4	4			4	
Aortic and mitral stenosis.....		2	1	3	1			1	2
Muscular incompetence of heart.....		1		1			1	1	
Embolism, following thrombosis of femoral vein.....		1		1			1	1	
Angina pectoris.....	1	1		1	2				
OF THE BLOOD VESSELS.									
Atheroma, general.....	1								1
With effusion into lateral ventricles.....		1		1			1	1	
Of coronary arteries.....		1		1			1	1	
Aneurism of ascending aorta.....		2		2			2	2	
Of arch of aorta.....		2		2			1	1	1

## HOSPITAL STATISTICS.

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## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.		DISCHARGED.					Remaining in Hospital June 30, 1897.	
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.		Total.
Aneurism—Concluded.										
Of abdominal aorta.....		1		1				1	1	
Of thoracic aorta.....		1		1						1
Of carotid artery.....		1		1	1	1			1	
Of aorta.....		1		1	1	1			1	
Rupture of aortic aneurism.....		1		1				1	1	
Dilatation of aorta.....		1		1				1	1	
Aneurismal varix and chronic Parenchymatous nephritis.....		1		1						1
Phlebitis.....		2	3	5	2	3			5	
With popliteal thrombosis.....		1		1	1	1			1	
Varicose veins.....	2	9	1	10	6	3	1		10	2
Senile gangrene.....		1		1				1	1	
OF THE BLOOD.										
Leukæmia.....		1		1				1	1	
Septicæmia.....		3	1	4				4	4	
Following periurethral abscess.....		1		1				1	1	
Anæmia.....		1	2	3		2			2	1
Pernicious.....		1		1			1		1	
Following sarcoma of neck.....		1		1						1
Pyæmia.....		1		1	1				1	
With tubercular knee joint.....		1		1				1	1	
With tuberculosis of knee.....		1		1				1	1	
DISEASES OF THE LIVER, ETC.										
Congestion of liver.....		3	3	6	6				6	
Cirrhosis of liver.....	1	11	3	14		3	1	11	15	
With ascites.....		1		1				1	1	
With hypostatic pneumonia.....		1		1				1	1	

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....	
<b>Cirrhosis of liver—Concluded.</b>										
With valvular disease of heart and pneumonia.....		1		1				1	1	
Tubercular.....		2		2				1	1	2
Carcinoma of liver.....	1	3	3	6				1	6	7
Hepatic abscess.....	1	2	1	3				1	3	4
Cholelithiasis.....		1	1	2		1			1	1
Catarrhal jaundice.....		3		3	2	1			3	
<b>DISEASES OF THE THYROID.</b>										
Exophthalmic goitre.....	1	1		1		1			1	1
Myxædema.....		1		1						1
<b>DISEASES OF THE DIGESTIVE ORGANS.</b>										
<b>OF THE ŒSOPHAGUS.</b>										
Tuberculosis of œsophagus with stenosis.....			1	1				1	1	
Carcinoma of œsophagus.....		1		1				1	1	
Stricture of œsophagus.....		5		5		4			4	1
Ulceration of œsophagus into aorta.....		1		1				1	1	
<b>OF THE STOMACH.</b>										
Gastritis, acute.....		24	1	25	11	10	1		25	
Subacute.....		11	4	15	9	6			15	
Subacute with hysteria.....			1	1	1				1	
Chronic.....	3	20	1	21	5	12	4	1	22	2
Gastric catarrh.....	2	13	11	24	22	3			25	1
Gastralgia.....		3		3	2	1			3	
Gastric ulcer.....	1	6		6	2	1	1	3	7	
Dilatation of stomach.....		1		1			1		1	
Carcinoma of stomach.....	1	9		9		1	1	7	9	1
Catarrh of stomach and alcoholism.....		1		1		1			1	



## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.	
Dyspepsia, acute .....			1	1	1	1			1	
Atonic .....		1		1						1
Chronic .....		1		1	1	1			1	
Gastro-enteritis .....		2	1	3	1	1		1	3	
Gastro-intestinal catarrh .....		1		1	1	1			1	
Gastro-duodenal catarrh and ischio-rectal abscess .....		1		1	1	1			1	
Carcinoma of pylorus .....		1		1				1	1	
OF THE INTESTINES.										
Enteritis .....		1		1	1				1	
Catarrhal .....			2	2	1		1		2	
Ulceration of intestines .....		1		1				1	1	
Constipation, acute .....		4	3	7	4	3			7	
With neurasthenia .....			1	1	1	1			1	
Diarrhœa .....		6	1	7	6				6	1
Dysentery, acute .....	1	5	1	6	3	3			6	1
Chronic .....		3	1	4	1			2	3	1
Proctitis .....		2		2	1	1			2	
Colitis .....			1	1	1				1	
Colic .....	2				2				2	
Typhlitis .....	1				1				1	
Carcinoma of duodenum .....		1		1				1	1	
Carcinoma of rectum .....	1	2	1	3		1	1	1	3	1
Carcinoma of sigmoid flexure .....		1		1				1	1	
Paralysis of sphincter ani .....		1		1	1				1	
OF THE PANCREAS AND SPLEEN.										
Carcinoma of the pancreas .....		3		3	1			2	3	
Carcinoma of the spleen .....		1		1				1	1	
Hypertrophy of the spleen .....			1	1		1			1	

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.	
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.		Total.
OF THE PERITONEUM.										
Peritonitis, acute.....		4	4	8	2	1	.....	3	6	2
Chronic.....		1	.....	1	.....	.....	.....	1	1	.....
Pelvic.....		.....	3	3	1	.....	2	.....	3	.....
Tubercular.....		1	.....	1	.....	1	.....	.....	1	.....
With bronchitis.....		.....	1	1	.....	.....	.....	.....	.....	1
Due to ulceration of uterus.....		.....	1	1	.....	.....	.....	1	1	.....
From perforation of intestine.....		.....	1	1	.....	.....	.....	1	1	.....
Following strangulated femoral hernia.....		.....	1	1	.....	.....	.....	1	1	.....
Pelvic and valvular disease of heart.....		.....	1	1	.....	.....	.....	1	1	.....
Ascites (cause not stated).....		.....	1	1	.....	.....	.....	1	1	.....
DISEASES OF THE KIDNEY, BLADDER, ETC.										
Parenchymatous nephritis, acute.....		12	2	14	1	7	1	5	14	.....
With pneumonia.....		.....	1	1	.....	.....	.....	1	1	.....
Chronic.....		3	5	8	2	2	.....	3	7	3
Interstitial nephritis.....		2	17	19	.....	9	1	7	17	5
With diabetes mellitus.....		.....	1	1	.....	.....	.....	.....	.....	1
With tuberculosis pulmonalis.....		.....	1	1	.....	.....	.....	1	1	.....
Laceration of kidney.....		.....	1	1	1	.....	.....	.....	.....	.....
Sarcoma of kidney.....		.....	1	1	.....	.....	.....	1	1	.....
Floating kidney.....		.....	1	1	.....	.....	1	.....	.....	1
Pyelitis.....		.....	1	1	.....	.....	.....	1	1	.....
Abscess of kidney.....		.....	1	1	.....	.....	.....	1	1	.....
Perineal.....		.....	1	1	1	.....	.....	.....	.....	1
Periurethral.....		.....	1	1	2	2	.....	.....	.....	2
Cystitis, acute.....		11	4	15	4	8	2	1	15	.....
With prostatic hypertrophy.....		.....	1	1	.....	.....	.....	1	1	.....
With old stricture.....		.....	1	1	.....	1	.....	.....	.....	1
Chronic, with uræmia.....		1	6	7	6	1	4	.....	2	7

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	
Cystitis—Concluded.									
Purulent .....		1		1					1
Tuberculosis of bladder and uretha.....		1		1				1	1
Carcinoma of bladder.....		1		1		1			1
Procedentia of bladder .....			1	1			1		1
Irritable bladder.....		2		2	1	1			2
Calculus, renal.....		1		1		1			1
Vesical.....		1		1		1			1
Urinary.....	1							1	1
Prostatitis, acute.....		1		1		1			1
Retention of urine.....	1					1			1
Chronic.....		1		1		1			1
Suppression of urine.....		1		1	1				1
Uremia.....		3		3				3	3
Rupture of urethra.....		2		2	1			1	2
Papilloma of urethra.....			1	1	1				1
Stricture of urethra.....	3	24		24	11	11	2		24
With multiple fistula.....		1		1					1
With urinary fistula.....		1		1	1				1
Spasmodic.....		1		1		1			1
Prostatic stricture.....		1		1			1		1
Enlarged prostate glands.....		2		2		1	1		2
Hypertrophy of prostate glands.....		1		1	1				1
Urinary fistula.....		2		2		1	1		2
Abdominal.....	1				1				1
Hæmaturia.....		1		1		1			1
DISEASES OF THE NERVOUS SYSTEM.									
OF THE BRAIN.									
Cerebritis .....			1	1				1	1

## HOSPITAL REPORT.

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.						Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.		
Cerebral softening.....			3	3				3	3		
Cerebral hemorrhage.....	3	7	4	11	1	6		2	9	5	
Cerebral meningitis.....		1	1	2				2	2		
Syphilitic.....		2		2				1	1	1	
Meniere's disease.....		2		2		1	1		2		
Hemiplegia.....		18	4	22	2	6	5	4	17	5	
With hypostatic pneumonia.....		1		1				1	1		
Syphilitic.....		1		1		1			1		
Paraplegia.....	1	6		6		5	1		6	1	
Vertigo.....		1		1	1				1		
Senile paralysis.....		2		2			1	1	2		
OF THE SPINAL CORD.											
Spinal meningitis.....			1	1		1			1		
Spinal paralysis.....		1		1		1			1		
Lateral sclerosis of cord.....		1		1		1			1		
Myelitis.....		1		1				1	1		
Transverse.....		1		1				1	1		
Chronic.....		1		1						1	
Locomotor ataxia.....	1	12		12		7	1	1	9	4	
Hæmatoma of spinal cord and fracture of astragalus.....		1		1	1				1		
OF THE NERVES.											
Neuralgia.....		2	1	3		1	1		2	1	
Occipital.....			1	1		1			1		
Cervico-occipital.....		1		1		1			1		
Interstitial.....		15	3	18	8	10			18		
Interstitial with sciatica.....		1		1		1			1		
Hemiparalysis.....		3		3		3			3		
Sciatica.....	2	14	3	17	4	10	1		15		

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....
Sciatica—Concluded.									
Chronic .....		1		1		1			1
With rheumatism.....		1		1	1				1
Pleurodynia .....	1	4		4	4	1			5
Paralysis of arm .....		3	1	4		3	1		4
Agitans.....		1		1		1			1
Spastic.....	1					1			1
Neuritis.....	1	2	8	10	2	8			10
Multiple.....		1	3	4	1	2			3
Syphilitic.....	1				1				1
Alcoholic.....		4		4		2			2
Peripheral.....	1	1	1	2		3			3
NEUROSIS.									
Epilepsy.....		12	1	13		6	3		9
Petit mal.....		1		1			1		1
With hemiplegia .....		1		1		1			1
Hysteria .....		2	11	13		11	2		13
Chronic chorea.....		2		2		1			1
Neurasthenia.....		13	11	24	3	15	5		23
Sexual .....		2		2	1	1			2
Hypochondriasis.....		3		3		1	2		3
Insomnia .....	1		2	2	1	1	1		3
DISEASES OF THE INTELLECT.									
Dementia, chronic .....		8	6	14		1	13		14
Senile .....		11	1	12		2	8	2	12
Senile, with cystitis .....		1		1				1	1
Senile, with arthritis deformans.....		1		1				1	1
Mania, hallucinatory .....			1	1			1		1

## MEDICAL DISEASES--CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.
Morphinomania .....		2		2		1	1		2
Paresis, senile .....	1						1		1
General .....	2	3	1	4		1	3		4
Delirium tremens.....		8	1	9	3	3	2	1	9
DISEASES OF THE SKIN.									
Dermatitis .....		12	1	13	2	1			3
Syphilitic .....			1	1					1
Urticaria .....		1		1		1			1
Itupia .....			1	1		1			1
Eczema .....		4	1	5		4	1		5
With phlebitis.....		1		1	1				1
Of foot .....		2		2	1	1			2
Of leg .....		3	2	5	1	4			5
Of hand .....		1		1	1				1
Of face and leg .....		1		1	1				1
With ulcer of leg. ....		2		2	2				2
Squamosum .....		2		2	1	1			2
Chronic .....		3		3	1	2			3
Chronic of leg .....		3		3		3			3
Impetigo.....		1		1		1			1
Roseola .....			1	1		1			1
Psoriasis .....	1	2		2	3				3
Scabies.....			1	1		1			1
Herpes zoster.....		1		1	4	1	3		4
Lupus, syphilitic, with rhinitis.		1		1		1			1
Of nose .....			1	1		1			1
Of temple.....			1	1	1				1
Tinea sycosis .....		3		3	1	1			2
Papillitis .....		1		1		1			1

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.
Purpura .....		1		1		1			1
Pruritis, ani et scroti.....		1		1		1			1
Cellulitis of foot .....		1		1		1			1
Sebaceous cyst .....		2		2	1	1			2
Of neck .....		1		1	1				1
Painful cicatrix.....		1		1		1			1
Seborrhoea of lip.....		1		1		1			1
Furunculosis .....		1		1	1				1
Carbuncle.....		1		1		1			1
Condylomata ani.....		1	2	3	2	1			3
Syphilitic .....		1		1					1
Pediculosis corporis.....		9		9	5	4			9
With bronchitis.....		1		1		1			1
With herpes zoster.....		1		1		1			1
Capitis.....			1	1		1			1
Pubis.....		1	1	2	1	1			2
Poisons.									
Alcoholism, acute .....		62	1	63	29	24	3	6	62
With pneumonia .....		1		1			1		1
With old fracture of radius.....		1		1			1		1
Chronic .....		8		8		5	2		7
Chloroform.....		1		1	1				1
Administered during operation .....			1	1				1	1
Carbolic acid.....		1	1	2	2				2
Mercurialism, chronic.....		1		1		1			1
Illuminating gas.....		1	1	2	1	1			2
Morphinism .....	2	10	3	13		7	5	3	15
Opium habit.....		2		2			2		2
Plumbism.....		5		5	3	2			5

## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1898.	ADMITTED.			DISCHARGED				Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....
Rhus toxicodendron .....		2		2	2				2
Sulphonal.....			1	1		1			1
DISEASES OF THE GENERATIVE ORGANS.									
Epithelioma of penis .....		1		1	1				1
Elongated prepuce.....		1		1	1				1
Phimosis.....		17		17	10	5	1		16
Hydrocele.....		7		7	7				7
Of spermatic cord.....		1		1	1				1
Encysted.....		1		1	1				1
With ulcers of the leg.....		1		1		1			1
Sarcocoele.....		2		2		1	1		2
Varicocele.....		13		13	7	2	3		12
Hypospadias.....		2		2		1			1
Epididymitis.....		4		4	2	2			4
Tubercular.....		2		2			2		2
Fibro-sarcoma of testicle.....		1		1					1
Orchitis.....		13		13	9				12
Tubercular.....		2		2	2				2
With epididymitis.....		1		1	1				1
VENEREAL DISEASES.									
Gonorrhœa.....	1	7	2	9	2	5	2		9
With orchitis.....		1		1	1				1
With phimosis.....		1		1					1
Phimosis with bubo.....		1		1		1			1
Paraphimosis.....		4		4	2	1	1		4
Chancroids.....		5	1	6	1	5			6
With bubo.....		1		1		1			1
With phimosis.....		1		1		1			1



## HOSPITAL STATISTICS.

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## MEDICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....	
Epididymitis.....		1		1						1
Gleet.....	1	1		1		2			2	
Venereal warts.....		1		1	1				1	
Bubo.....		12	1	13	6	5	2		13	
Bilateral.....		3		3	3				3	
Chancroidal.....		4		4	3				3	1
Gonorrhœal.....		3		3	2				2	1
Orchitis, gonorrhœal.....		8		8	5	3			8	
Syphilitic.....		2		2		2			2	
UNCLASSIFIED.										
Submersion.....		1		1	1				1	
Surgical shock.....		2	1	3				3	3	
Premature birth.....		2		2				2	2	
General debility.....		3	1	4		5	1		4	
Inanition.....		1	2	3	1	1	1		3	
With hypostatic pneumonia.....		1		1				1	1	
With cystitis and gastritis.....		1		1				1	1	
Infant, accompanying mother, not ill.....			1	1	1				1	
Not diagnosed.....		9	5	14			10		10	4
Total.....	160	1,827	376	2,203	707	815	198	423	2,143	220

## SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	
OF THE HEAD AND NECK.									
Tubercular glands of neck.....		3	1	4	1	3			4
Abscess of neck.....		4	1	5	5				5
Carbuncle of neck.....		4		4	1	2			3
Adenitis, tubercular.....			1	1		1			1
Cervical.....		2	1	3	1				2
Parotitis.....		1		1					1
OF THE FACE.									
Ulcer, lupus.....		1		1		1			1
Rodent.....	1								1
Of face, syphilitic.....		1		1	1				1
Abscess of face.....			1	1	1				1
Of chin.....		1		1		1			1
Inflammation of cheek.....		1		1	1				1
OF THE EAR.									
Otitis media, acute.....	1	2		2	2	1			3
Purulent.....		2		2		2			2
Congestion of tympanum.....		1		1		1			1
Deafmute.....		1		1			1		1
Traumatic deafness.....		1		1			1		1
Mastoiditis.....		1		1	1				1
OF THE BACK.									
Abscess.....		1		1	1				1
Carbuncle.....		1		1	1				1
Ulceration of back.....		1		1	1				1
OF THE CHEST.									
Mastitis.....		1		1					1

## HOSPITAL STATISTICS.

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## SURGICAL DISEASES—CONTINUED.

DISEASES,	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.
Abcess of side.....		1		1	1				1
Tubercular ulceration of chest.....		1		1	1				1
OF THE ABDOMEN AND PELVIS. <sup>4</sup>									
Lipoma and sarcoma of abdomen.....	1							1	1
Abscess of abdominal wall.....			1	1		1			1
Ulcer of abdominal wall.....		1		1		1			1
Tumor of abdomen.....		2		2			2		2
Perinephritic abscess, with peritonitis.....		1		1				1	1
Appendicitis.....		5		5	3				3
Umbilical hernia.....			1	1	1				1
Inguinal hernia.....	3	13		13	8	1	5		14
With wound of scalp.....		1		1	1				1
With Pott's fracture.....		1		1	1				1
Double.....		2		2			2		2
Irreducible.....		1		1					1
Strangulated.....			2	2				2	2
Ventral hernia.....		1		1		1			1
Strangulated.....			1	1				1	1
Scrotal hernia.....		5		5	3	1	1		5
Ulcer of scrotum, syphilitic.....		1		1	1				1
Abscess of scrotum.....		1		1	1				
Hæmorrhoids, internal.....		10	1	11	5	4	1		10
External.....		11	3	14	11	2	1		14
External with wen.....		1		1	1				1
External ulcerating.....		1		1		1			1
External and internal.....		1		1	1				1
Intestinal obstruction.....		2		2		1		1	2
With pyonephritis.....		1		1				1	1

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.	
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.		
Cyst of omentum .....		1		1	1				1	
Ulcer of rectum .....			2	2	1		1		2	
Of anus.....			1	1					1	
Abscess of groin.....		2		2	1	1			2	
Rectal abscess.....			1	1	1				1	
Prolapse of rectum.....		1	1	2	1	1			2	
Stricture of rectum.....		1		1					1	
Fistula in ano.....	1	10	3	13	6	4	1		11	3
Ischio-rectal.....		1		1	1				1	
Rectal.....		1		1	1				1	
Fissure in ano.....		5		5	2	2	1		5	
Condylomata of anus, with external hæmorrhoids and phimosis.....		1		1	1				1	
Tubercular abscess of anus.....		1		1						1
Ischio-rectal abscess .....	2	11	2	13	4	9			13	2
OF THE UPPER EXTREMITIES.										
Tuberculosis of carpus.....	1	1		1	1	1			2	
Inflammation of hand .....		1		1		1			1	
Abscess of hand.....		1		1	1				1	
(Palmar) .....		1		1	1				1	
Of axilla.....		2	1	3	1	1			2	1
Of arm .....		1		1		1			1	
Phlegmon of arm.....	2	4		4	3	2			5	1
Amputation of arm.....		2		2	1				1	1
Of finger.....		4	1	5	5				5	
Carbuncle of finger.....		1		1		1			1	
Furuncle of wrist .....		1		1		1			1	
Syphilitic ulcers of arm and foot.....			1	1	1				1	
Fistula of elbow.....	1				1				1	

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....	
Axillary adenitis.....		1		1		1			1	
Onychia.....		2	1	3	1	2			3	
Gangrene of finger.....		3		3	2				2	1
Phlegmon of hand.....		4	1	5	1	3			4	1
Of finger.....		3		3	2	1			3	
* OF THE LOWER EXTREMITIES.										
Ulcer of leg.....	4	71	15	86	39	38	7		84	6
Tubercular.....			1	1						1
Chronic.....	1					1			1	
Varicose.....	6	13	3	16	9	8	1		18	4
Traumatic.....		1		1		1			1	
Syphilitic.....		5	1	6	1	5			6	
With sprain of ankle.....		1		1	1				1	
With erysipelas.....		1		1		1			1	
Of stump of leg.....		1		1	1				1	
Of ankle.....		2	1	3	2				2	1
Of toe.....			1	1		1			1	
Furuncle of knees.....		1		1	1				1	
Amputation of thigh.....		2		2				1	1	1
Of leg.....		1		1	1				1	
Of toe.....		4	1	5	5				5	
Of toe (old).....		1		1		1			1	
Abscess, gluteal.....		1		1		1			1	
Of thigh.....		1		1	1				1	
Of leg.....		3		3	2				3	
Of leg and thigh.....		1		1		1			1	
Of knee.....		1		1		1			1	
Of foot (plantar).....		1		1	1				1	

## HOSPITAL REPORT.

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1895.	ADMITTED			DISCHARGED.				Remaining in Hospital June 30, 1895.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.
Re-amputation of legs.....		1		1					1
Corns.....		1		1		1			1
Gangrene of leg.....		1		1				1	1
Of foot, with amputation of thigh.....		1		1					1
Phlegmon of foot.....		2	1	3	1	2			3
Deformed toes.....		1		1	1				1
OF THE BONES.									
Periostitis, chronic.....			1	1	1				1
Inflammation of antrum.....		1		1		1			1
Tubercular osteitis of thigh.....		2		2		2			2
Osteomyelitis of humerus.....		1		1	1				1
Tuberculosis of vertebrae.....	1	4		4		1	1	2	4
Of clavicle.....			1	1	1				1
Of rib.....		1		1	1				1
Of femur.....		1		1					1
Of head and neck of femur.....	1	1		1					2
Of knee.....		1		1					1
Tubercular sinus.....		1		1	1				1
Of thigh.....		1		1			1		1
Of leg.....		2		2		1	1		2
Of knee.....		1		1	1				1
Caries of tarsus.....		1		1		1			1
Of rib.....		1	1	2	1		1		2
Of inferior maxilla.....			1	1	1				1
Of phalanges.....	1	1		1	1	1			2
Necrosis of parietal bone.....	1					1			1
Of sternum.....		1		1			1		1
Of rib.....	1					1			1

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....
Necrosis—Concluded.									
Of metatarsal bone.....		12		12	12				12
Of phalanges.....		1		1		1			1
Of neck of femur.....	1					1			1
Of tibiae.....		1		1					1
Of tarsal bone.....			1	1	1				1
Of phalanges of foot.....		1		1	1				1
OF THE JOINTS.									
Synovitis of knee.....		6	1	7	2	3			5
Tubercular.....		1		1					1
Traumatic.....		3		3	2				2
With contusion.....		1		1		1			1
Arthritis of knee joint.....	1	3	1	4	2	2			4
Rheumatoid.....	1	1		1		1	1		2
Deformans.....	1	5		5	1		1		2
From plumbism.....		1		1					1
Tuberculosis of wrist joint.....		1		1					1
Of elbow joint.....		2		2			1		1
Of hip joint.....		2		2					2
Of knee joint.....		2		2		1	1		2
Ankylosis of shoulder.....		1		1		1			1
Of elbow.....		1		1		1			1
Of hip.....		1	1	2		2			2
Of knee.....		1		1		1			1
Coxitis.....		1		1		1			1
Tubercular.....	2	2		2		3			3
Rupture of lateral ligament of knee.....		1		1		1			1
Of ankle.....		1		1		1			1

## HOSPITAL REPORT.

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.		DISCHARGED.					Remaining in Hospital June 30, 1897.	
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.		
OF THE MUSCLES.										
Myalgia.....		1		1	1					1
Cervical myositis.....		1		1		1				1
Traumatic atrophy of deltoid.....		1		1		1				1
Contraction of hamstring muscles of leg.....		1		1	1					1
OF THE TENDONS.										
Contracted tendon of biceps.....		1		1			1			1
Rupture of tendon Achilles.....		1		1	1					1
Contraction of hamstring tendons...		3		3		1	2			3
Pes planus.....		1		1		1				1
OF THE BURSE.										
Bursitis, patellar.....		1		1		1				1
Prepatellar.....			1	1		1				1
OF THE SPINE.										
Kyphosis.....		1		1			1			1
Lateral curvature of spine.....		1	1	2		2				2
OF THE LYMPHATICS.										
Lymphangitis of forearm.....		1		1		1				1
Of leg and pes planus.....		1		1						1
Lymphadenoma, generalized.....		1		1			1			1
Tuberculosis of inguinal glands.....		4	1	5	4	1				5
MALIGNANT TUMORS.										
(See also Special Reports.)										
Carcinomata disseminata.....		1		1			1			1
Of the neck.....		3		3			3			3
Of the neck (recurrent).....		1		1			1			1



## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.	
<b>Carcinomata—Concluded.</b>										
Of the lip (recurrent).....		1		1	1				1	
Of the breast.....	3		6	6	2	1	1	5	9	
Of the throat.....	1							1	1	
Of the postmediastinal glands.....		1		1				1	1	
Of the colon.....	1							1	1	
Of thigh.....				1	1		1		1	
Ventriculi.....		1		1			1		1	
<b>Epithelioma of face.....</b>			1	1				1	1	
Of cheek.....			1	1	1				1	
Of lip.....			1	1						1
Of leg.....			1	1		1			1	
<b>Sarcoma, malignant multiple.....</b>			1	1				1	1	
Of neck.....	2	1	1	2			2	2	4	
Of intestine.....	1					1			1	
Of thigh.....	1	2		2	2	1			3	
General melanotic.....			1	1						1
Of arm, axilla and mediastinum.....	1							1	1	
<b>NON-MALIGNANT TUMORS.</b>										
<i>(See also Special Regions.)</i>										
<b>Lipoma of side.....</b>		1		1	1				1	
Of neck.....			1	1	1				1	
<b>Tumor of axilla.....</b>			1	1	1				1	
Of Highmore's antrium.....			1	1		1			1	
<b>Fibroma of patella.....</b>			1	1	1				1	
<b>Pelvic hæmatoma.....</b>		1				1			1	
<b>Hæmatoma of cheek.....</b>			1	1		1			1	

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.	
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.		Total.
INJURIES.										
OF THE HEAD.										
Fracture of the skull.....		1	1	2	2	2			2	
With scalp wound.....		1		1	1				1	
Of base of skull.....		1		1	1				1	
Incised wound of scalp.....		11	2	13	10	2			12	1
Of forehead.....		2		2	1	1			2	
Lacerated wound of scalp.....		10	1	11	1	8			9	2
Of forehead.....		3		3	3				3	
Gunshot wound of head.....		1		1	1				1	
With incised wound of throat.....		1		1	1				1	
Infected wound of scalp.....		1		1	1				1	
Contused wound of scalp.....		2		2	2				2	
Contusion of head and arms.....		1		1	1				1	
Of scalp.....		1	2	3	1	2				
Of head.....		1	1	2	1				1	1
Burn of head and neck.....		1		1	1				1	
OF THE FACE.										
Fracture of inferior maxilla.....		9	3	12	5	4	2		11	1
Double.....		1	1	2	1	1			2	
With lacerated wound of face.....		2		2	1	1			2	
Of nasal bone.....		4		4	4				4	
Incised wound of nose.....		1		1	1				1	
Of face.....		1		1	1				1	
Lacerated wound of face.....		1		1	1				1	
Of face and arm.....		1		1						1
Of nose.....			3	3	1	2			3	
Of chin.....		2		2	1	1			2	

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Unimproved.....	Died.....	Total.....	
Gunshot wound of mouth.....	1	1		1	1			1	
Of maxilla .....			1	1	1			1	
Wound of face, involving antrum.....	1			1		1		1	
Contusion of face.....	4	2		6	4	2		6	
Of face and eye.....	1	1		2	1	1		2	
Of eyebrow.....	1			1			1	1	
Of nose.....	1			1		1		1	
Abrasion of face.....	3			3	1	2		3	
OF THE EYE.									
Incised wound of cornea.....	1			1		1		1	
Lacerated wound of eye.....	1			1		1		1	
Gunshot wound of eye.....	1			1		1		1	
Contusion of eye.....	3			3	2	1		3	
Of both eyes.....	2			2	1	1		2	
OF THE NECK.									
Incised wound of neck.....	6			6	4	2		6	
Of throat.....	2			2	2			2	
Of neck and trachea.....	1			1		1		1	
Of neck and arms.....	1			1	1			1	
Lacerated wound of neck and wrist.....	1			1	1			1	
Gunshot wound of neck.....	1	1		2	1	1		2	
Infected wound of neck.....	1			1		1		1	
Scald of neck.....	1			1	1			1	
OF THE CHEST.									
Burn of chest (2nd degree).....	2			2		2		2	
Of breast.....			1	1		1		1	
Incised wound of side.....	1			1		1		1	

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.
Contusion of chest.....		3	...	3	...	3	...	3	...
Contusion of rib.....		1	2	3	1	...	...	...	2
Of side.....		8	1	9	5	4	...	...	...
Of side and shoulder.....		1	...	1	...	1	...	...	...
Of breast.....		...	1	1	...	1	...	...	...
Fracture of rib.....		15	...	15	8	5	2	...	15
Of rib and clavicle.....		...	1	1	...	1	...	...	...
Gunshot wound of chest.....		1	1	2	1	1	...	...	2
Of chest and shoulder.....		...	1	1	...	1	...	...	...
OF THE BACK.									
Fracture of lumbar spine.....		1	...	1	...	1	...	...	...
Of the coccyx.....		...	1	1	...	1	...	...	...
Contusion of back.....		2	14	14	6	8	...	...	14
Sprain of back.....		1	2	2	2	1	...	...	3
Infected wound of back and chest.....		...	1	1	1	...	...	...	...
OF THE ABDOMEN.									
Contusion of abdomen.....		1	...	1	1	...	...	...	...
OF THE PELVIS AND GENITALS.									
Contusion of the perineum.....		3	...	3	3	...	...	...	3
Fracture of crest of ilium.....		1	...	...	1	...	...	...	...
Dislocation of sacro-iliac articulation.....		...	1	1	1	...	...	...	...
Burn of scrotum.....		1	...	1	...	...	...	...	1
Contusion of testicle.....		1	...	...	...	...	...	...	1
OF THE UPPER EXTREMITIES.									
Fracture of clavicle.....		3	8	12	11	1	3	...	15
Of clavicle, comminuted.....		...	1	1	...	1	...	...	...
With dislocation of clavicle.....		...	1	1	...	1	...	...	...

## SURGICAL DISEASES—CONTINUED.

DISEASES	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.	
Fracture—Concluded.										
Of olecranon.....	1	2	...	2	2	1	...	...	3	...
Of humerus.....	2	5	1	6	7	1	...	...	8	...
Of humerus, radius and ulna.....	...	...	1	1	...	...	...	...	1	...
Of surgical neck of humerus.....	...	1	...	1	...	...	...	...	1	...
Of radius.....	1	1	...	1	1	...	...	...	1	1
Of radius (Colle's).....	1	5	6	11	9	3	...	...	12	...
Of radius (Colle's), with humerus.....	...	1	...	1	1	...	...	...	1	...
Of ulna.....	1	2	...	2	3	...	...	...	3	...
Of radius and ulna.....	...	2	...	2	2	...	...	...	2	...
Of metacarpal bone.....	...	2	...	2	2	...	...	...	2	...
Of finger.....	...	1	...	1	1	...	...	...	1	...
Of acromion process of scapula.....	1	...	...	...	1	...	...	...	1	...
Incised wound of hand.....	...	2	...	2	2	...	...	...	2	...
Of wrist.....	...	1	...	1	1	...	...	...	1	...
Of elbow.....	...	1	...	1	1	...	...	...	1	...
Of arm.....	...	1	...	1	1	...	...	...	1	...
Gunshot wound of arm.....	...	1	...	1	1	...	...	...	1	...
Of wrist (with phlegmon and amputation of arm).....	...	1	...	1	1	...	...	...	1	...
Infected wound of finger.....	...	2	...	2	2	...	...	...	2	...
Of hand.....	...	1	1	2	2	...	...	...	2	...
Of arm.....	...	1	...	1	1	...	...	...	1	...
Stab wound of axilla.....	...	1	...	1	1	...	...	...	1	...
Of arm, wrist and back.....	...	1	...	1	1	...	...	...	1	...
Cutused wound of arm.....	...	1	...	1	1	...	...	...	1	...
Contusion of arm.....	...	1	...	1	1	...	...	...	1	...
Of forearm.....	...	1	...	1	1	...	...	...	1	...
Of shoulder.....	1	3	...	3	1	2	...	...	3	1
Contusion of shoulder and hip.....	...	1	...	1	1	...	...	...	1	...

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.	
Contusion—Concluded.										
Of shoulder and elbow.....		1		1	1				1	
Of shoulder and forearm.....		1		1		1			1	
Of hand.....		2		2		2			2	
Of hand and side.....		1		1		1			1	
Of finger.....		3		3	2	1			3	
Laceration of finger.....		1		1		1			1	
Of elbow, and scalp wound.....		1		1		1			1	
Of forearm (with amputation).....		1		1	1				1	
Dislocation of elbow.....		1		1			1		1	
Of sternal end of clavicle.....		1		1	1				1	
Of shoulder.....		6	1	7	7				7	
Of shoulder, subcoracoid.....		1		1	1				1	
Of humerus.....		1	1	2	2				2	
Of humerus, old.....		1		1						1
Resection of shoulder.....		1		1						1
Of elbow joint.....		1		1						1
Sprain of wrist.....	1	6	1	7	3	5			8	
Of wrist, with contusion of eye.....			1	1			1		1	
Of shoulder.....		2		2	1		1		2	
Burn of arm.....		1		1		1			1	
Of arm and side (third degree).....			1	1						1
Of elbow (third degree).....	1				1				1	
Of scapula (third degree).....		1		1		1			1	
Of hand.....		2		2		2			2	
Of forearm and hand (third degree).....			1	1	1				1	
OF THE LOWER EXTREMITIES.										
Fracture of femur.....	6	7	2	9	12	1			13	2

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.		DISCHARGED.					Remaining in Hospital June 30, 1897.	
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.		
Fracture—Concluded.										
Intracapsular .....		3		3		2			2	1
Compound.....		12	1	13	1				1	2
Multiple.....		1		1						1
With compound fracture of humerus and three ribs .....	1				1				1	
Of neck of femur.....		2	2	4		1			1	3
Of tibia...	2	4	3	7	7				7	2
Of tibia and fibula .....	2	7	1	8	10				10	
Of tibia and fibula, ununited.....		1		1		1			1	
Of tibia and fibula, comminuted.....	1	1		1	2				2	
Of tibia and fibula, compound.....	2	5		5		4			4	3
Of fibula (Pott's).....	1	14	3	17	14	4			18	
Of fibula (Pott's), with <u>asthma and emphysema</u> .....		1		1						1
Of fibula (Pott's), with lipoma of leg.....		1		1	1				1	
Of fibula.....	1	1	1	2	3				3	
Of hip .....		2		2		2			2	
Of hip, impacted.....	1	1		1	2				2	
Of os calcis.....		1		1	1				1	
Of external malleolus.....		2	1	3	2	1			3	
Of internal malleolus.....			1	1		1			1	
Of astragalus.....		1		1		1			1	
Of patella.....	1	4		4	3				3	2
Of patella, transverse.....		1		1		1			1	
Of metatarsal bone.....		7		7	3	3			6	1
Of phalanges of foot.....		2		2	1	1			2	
Lacerated wound of knee.....										
Of leg .....	1				1				1	
		2		2	1	1			2	

## SURGICAL DISEASES—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.
Lacerated wound—Concluded.									
Of foot.....		1		1					1
And contusion of leg.....		1		1					1
Incised wound of leg.....		2		2		2			2
Gunshot wound of hip.....		1		1	1				1
Of thigh.....		1		1	1				1
Of leg.....		2		2	1	1			2
Infected wound of leg.....		2	1	3	2	1			3
Of foot.....		2	1	3	2	1			3
Punctured wound of leg.....		1		1		1			1
Of foot.....		3		3	2				2
Dislocation of femur.....		1		1			1		1
Of femur and humerus.....		1		1	1				1
Of foot, inward.....		1		1					1
Of phalanges of foot.....		1		1	1				1
Contusion of hip.....		4	1	5	3	2			5
Of thigh.....		3		3		3			3
Of leg.....		5		5	5				5
Of leg and elbow.....		1		1	1				1
Of leg and scalp.....		1		1	1				1
Of knee.....	1	7		7	1	4			8
Of foot.....		12	1	13	8	4	1		13
And sprain of ankle.....		1		1	1				1
Of toe.....		1		1		1			1
Of ankle.....	1	3		3	3	1			4
Sprain of ankle.....	1	42	6	48	28	17	1		46
Of foot.....		1		1	1				1
Burn of leg (third degree).....		4		4	3				3
Of foot.....		4		4	4				4



## SURGICAL DISEASES—CONCLUDED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	Total.....	
Bullet in hip.....	...	1	...	1	...	...	1	...	1	...
Abrasion of leg .....	...	1	...	1	...	1	...	...	1	...
Dislocation of internal semicircular cartilage .....	...	1	...	1	1	...	...	...	1	...
UNCLASSIFIED.										
Unhealed stump .....	...	1	...	1	1	...	...	...	1	...
Gunshot wound and erysipelas.....	...	1	...	1	1	...	...	...	1	...
Abscess, multiple.....	...	2	...	2	...	1	1	...	2	...
From morphine .....	...	2	...	2	...	2	...	...	2	...
Coroner's cases.....	1	35	7	42	...	...	...	43	43	...
Total.....	87	513	158	1,001	494	354	59	73	980	108

## DISEASES OF THE EYE.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.
		Male.....	Female.....	Total.....	Cured.....	Improved.....	Unimproved.....	Died.....	
OF THE CONJUNCTIVA.									
Conjunctivitis.....	1	5		5	2	3		5	1
Granular.....	4	2		2		6		6	
Ophthalmia, Gonorrhœal.....	1	1	1	2	2	1		3	
Purulent.....		1		1		1		1	
Pterygium.....	1	2		2	3			3	
Double.....		1		1					1
OF THE CORNEA.									
Corneal ulcer.....		8		8	2	6		8	
Keratitis.....	1	1		1	1	1		2	
Leucoma.....		1		1					1
Hypopyon-keratitis.....		1		1		1		1	
Epithelioma of cornea.....		1		1		1		1	
Sarcoma of cornea.....		1		1		1		1	
Staphyloma.....		1		1		1		1	
Foreign body in cornea.....		1		1		1		1	
Nebule.....	1					1		1	
Wound of cornea.....	1				1			1	
OF THE LENS.									
Cataract.....		6	3	9	3	1	3	7	2
u. Incipient.....		3		3		2	1	3	
Double.....		1		1					1
Secondary.....			1	1		1		1	
Senile.....		2		2	2			2	
With cystitis.....	1				1			1	
With ulcer.....		1		1		1		1	

## HOSPITAL STATISTICS.

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## DISEASES OF THE EYE—CONTINUED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1897.
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.	Total.	
Cataract—concluded.										
With posterior synechiae.....			1	1				1	1	
Complete loss of sight due to injury.....		1		1				1	1	
Partial loss of sight due to explosion.....		1		1		1			1	
OF THE LIDS.										
Blepharitis, ulcerative.....		1		1						1
Symblepharon.....		1		1				1	1	
Trachoma.....		2		2		1			1	1
Ectropion.....			1	1	1				1	
Epithelioma of lids.....		1	1	2	1	1			2	
Phlegmon of lids and erysipelas.....		1		1	1				1	
Obstruction of lachrymal duct.....		1		1		1			1	
Hydrops cystis lachrymalis.....		1		1		1			1	
Palpebral adhesion to stump of enucleated eye.....		1		1						1
OF THE IRIS, CILIARY BODY AND CHOROID.										
Iritis, acute.....	2	11	1	12	9	5			14	
Chronic.....		1		1						1
Syphilitic.....	1	5		6	1	2			3	1
With Pannus.....	1					1			1	
Glaucoma.....	1	1		1	1		1		2	
Traumatic.....		1		1	1				1	
Chronic.....		1		1		1			1	
Chronic, with retinitis.....		1		1		1			1	
Traumatic cyclitis.....	1	1		1		1	1		2	
Choroiditis.....		1	1	2		2			2	

## HOSPITAL REPORT.

## DISEASES OF THE EYE: CONCLUDED.

DISEASES.	In Hospital July 1, 1896.	ADMITTED.			DISCHARGED.				Remaining in Hospital June 30, 1897.	
		Male.	Female.	Total.	Cured.	Improved.	Unimproved.	Died.		
OF THE RETINA AND OPTIC NERVES.										
Retinitis.....		2		2		2				
Optic atrophy.....	1	5		5		3	1		1	2
Double.....		1		1						1
Homonomous hemianopsia .....		1		1						1
UNCLASSIFIED.										
Enucleation of eyeball.....		3	1	4	3				3	1
Strabismus.....			1	1		1			1	
Ptoſis.....		1		1	1				1	
Total.....	18	85	12	97	36	59	13		99	16

## GYNÆCOLOGICAL DISEASES.

DISEASES.	In Hospital July 1, 1896.	Admitted .....	DISCHARGED.				Total .....	Remaining in Hospital June 30, 1897. ....
			Cured .....	Improved .....	Unimproved .....	Died .....		
OF THE VULVA AND VAGINA.								
Vaginitis .....		3	1	1	1		3	
Cicatricial thickening of vagina .....		1		1			1	
Suppuration of Bartholini's gland .....		3	3				3	
OF THE UTERUS.								
Metritis .....	1	6	1	5	1			
Parametritis .....	1	1		2				
Endometritis .....		10	5	4	1			
With retroflexion .....		1						1
With retroversion .....	1		1				1	
Endocervicitis .....		5	3	2			5	
With endometritis .....	1						1	
Retroversion .....		4	3	1			4	
Retroflexion .....		1		1			1	
Anteflexion .....		2		1			1	1
With cystitis .....		1						1
Laceration of cervix .....	1	5	6		3		9	
With laceration of perineum .....		3	2	1			3	
Laceration of perineum .....		2	1	1			2	
Carcinoma uteri .....		5				5	5	
Epithelioma uteri .....	1	2		2			2	1
Prolapsus uteri .....		2		1	1		2	
Stenosis of cervix .....		1	1				1	
Fibroid of uterus .....		6	2	2	2		6	
Tumor of uterus .....		1	1				1	
OF THE UTERINE APPENDAGES.								
Oöphoritis, acute .....		7		3	1		4	3
Chronic .....		2		2			2	
With salpingitis .....		1		1			1	

## GYNÆCOLOGICAL DISEASES—CONCLUDED.

DISEASES.	In Hospital July 1, 1896.	Admitted.....	DISCHARGED.					Total .....	Remaining in Hospital June 30, 1897.....
			Cured.....	Improved .....	Unimproved .....	Died .....			
Cyst of ovary.. .....		6	4	2			6		
Cyst of ovary, multilocular .....		1				1	1		
Prolapse of ovary.....		2		1			1	1	
Fibroid of ovary.....		1	1				1		
Salpingitis, acute.....		1		1			1		
Double.....		1	1				1		
Interstitial.....		1	1				1		
Chronic.....		4		1			1	3	
Hydrosalpinx (double).....		1	1				1		
Pyosalpinx .....	2	1	1	2			3		
Double.....		1	1				1		
Carcinoma of pelvis.....		1				1	1		
Pelvic cellulitis.....	2	2	1	3			4		
Pelvic hæmatocele.....		1						1	
FUNCTIONAL DISEASES.									
Dysmenorrhœa.....		1		1			1		
Menorrhagia.....		2	1		1		2		
DISEASES OF PREGNANCY AND PUERPERAL STATE.									
Abortion.....	1	14	13	2			15		
Threatened.....		2		2			2		
Miscarriage.....		4	2	2			4		
After childbirth.....		3	2	1			3		
Placenta prævia.....		1		1			1		
Retained placenta.....		1	1				1		
Laceration of perineum and rectum.....		1						1	
Vesico-vaginal fistula.....		1		1			1		
Laceration of perineum with cystocele.....		1	1				1		
Total.....	11	131	61	52	1	7	131	13	

## OBSTETRICAL CASES.

DISEASES.	In Hospital July 1, 1896.	Admitted .....	Total .....	Delivered .....	DISCHARGED.				Remaining in Hospital June 30, 1897.
					Cured .....	Left Before Discharge .....	Died .....	Total .....	
Pregnancy.....	18	145	163	132	117	25	.....	142	21
With malaria .....		1	1	.....	.....	1	.....	1	.....
With peritonitis .....		1	1	.....	.....	.....	1	1	.....
With vesico-vaginal fistula .....		1	1	1	1	.....	.....	1	.....
Followed by puerperal mania.....		1	1	1	1	.....	.....	1	.....
Total.....	18	149	167	134	119	26	1	146	21

## CAUSES OF DEATH.

DISEASE.	MALE.	FEMALE.	TOTAL.
ACUTE GENERAL INFECTIOUS DISEASES.			
Typhoid fever.....	9	3	12
Typhoid fever and tuberculosis pulmonalis.....	1		1
DIATHETIC DISEASES AND DISEASES OF NUTRITION.			
Marasmus, senile.....	1	1	2
Marasmus resulting from paralysis.....	1		1
Diabetes insipidus.....		1	1
Diabetes mellitus.....	1	2	3
Rheumatism, acute articular.....	1		1
Rheumatism, acute articular, and pneumonia.....	1		1
Rheumatism, acute articular, and senility.....	1		1
DISEASES OF THE RESPIRATORY SYSTEM.			
OF THE BRONCHIL.			
Bronchitis, catarrhal.....	1		1
Bronchitis, subacute.....		1	1
Bronchorrea.....	1		1
Asthma.....	2		2
Asthma and dilatation of the heart.....		2	2
OF THE LUNGS.			
Congestion of the lung.....	2		2
Pneumonia.....	18	2	20
Pneumonia, double.....	4		4
Pneumonia, hypostatic.....	1	2	3
Pneumonia, hypostatic and heart-failure.....	1		1
Tuberculosis, acute miliary.....	4		4
Tuberculosis pulmonalis.....	97	33	130
Tuberculosis pulmonalis and pleurisy.....	1		1
Tuberculosis pulmonalis and general tubercular peritonitis.....	1		1



## CAUSES OF DEATH—CONTINUED.

DISEASE.	MALE.	FEMALE.	TOTAL.
Tuberculosis pulmonalis and rectal.....	2	.....	2
Tuberculosis pulmonalis and spondylitis.....	1	.....	1
Tuberculosis pulmonalis and syphilis.....	1	.....	1
Gangrene of lung.....	1	.....	1
Emphysema.....	1	.....	1
OF THE MOUTH AND PHARYNX.			
Sarcoma of pharynx.....	.....	1	1
Carcinoma of pharynx.....	1	.....	1
Carcinoma of tongue and neck.....	1	.....	1
OF THE PLEURA.			
Hydrothorax and lobar pneumonia.....	1	.....	1
Pleurisy, acute.....	4	.....	4
Pleurisy, subacute, with effusion.....	.....	2	2
Pleurisy, subacute, with pneumonia.....	1	.....	1
Pleurisy, subacute, and congestion of lung.....	1	.....	1
Tuberculosis of pleura, with effusion.....	1	.....	1
Empyema.....	4	1	5
Empyema and gangrene of lung.....	1	.....	1
DISEASES OF THE CIRCULATORY SYSTEM.			
OF THE HEART AND ITS MEMBRANES.			
Pericarditis acute.....	1	.....	1
Pericarditis, acute, with pleuritis.....	1	.....	1
Heart, dilatation of.....	1	.....	1
Heart, dilatation of, accompanying asthma.....	1	.....	1
Heart, dilatation of, and cirrhosis of liver.....	1	.....	1
Heart, fatty degeneration of.....	2	1	3
Heart, lipomatosis of.....	1	.....	1
Heart, lipomatosis of, and effusive pleurisy.....	.....	1	1
Heart, muscular incompetence of.....	1	.....	1

## CAUSES OF DEATH—CONTINUED.

DISEASE.	MALE.	FEMALE.	TOTAL.
Heart, valvular disease of (unclassified).....	17	3	20
Heart, valvular disease of (unclassified), and tubercu- losis pulmonalis.....	1	.....	1
Heart, aortic incompetence of.....	2	.....	2
Heart, aortic incompetence of, with tuberculosis pul- monalis.....	1	.....	1
Heart, aortic incompetence of, with cirrhosis of liver.....	1	.....	1
Heart, mitral incompetence of.....	12	4	16
Heart, mitral incompetence of, with pleurisy.....	1	.....	1
Heart, mitral and aortic incompetence of.....	4	.....	4
Heart, senile.....	2	.....	2
Heart, embolism, following thrombosis of femoral vein.....	1	.....	1
OF THE BLOOD-VESSELS.			
Aneurism of ascending aorta.....	2	.....	2
Aneurism of arch of aorta.....	1	.....	1
Aneurism of abdominal aorta.....	1	.....	1
Rupture of aortic aneurism.....	1	.....	1
Dilatation of aorta .....	1	.....	1
Atheroma, general, with effusion into lateral ven- tricles.....	1	.....	1
Atheroma of coronary arteries .....	1	.....	1
Gangrene of leg.....	1	.....	1
Gangrene, senile.....	1	.....	1
OF THE BLOOD.			
Leukæmia.....	1	.....	1
Septicæmia (cause not stated).....	3	1	4
Septicæmia, following periurethral abscess.....	1	.....	1
Pyæmia (cause not stated).....	2	.....	2

## CAUSES OF DEATH—CONTINUED.

DISEASE.	MALE.	FEMALE.	TOTAL.
DISEASES OF THE LIVER, ETC.			
Abscess of liver.....	2	1	3
Carcinoma of liver.....	4	2	6
Tuberculosis of liver with cirrhosis.....	1	.....	1
Cirrhosis of liver.....	9	2	11
Cirrhosis of liver and ascites .....	1	.....	1
Cirrhosis of liver and hypostatic pneumonia. . . . .	1	.....	1
Cirrhosis of liver, valv. disease of heart and double pneumonia.....	1	.....	1
DISEASES OF THE DIGESTIVE ORGANS.			
OF THE ŒSOPHAGUS.			
Carcinoma of the œsophagus .....	1	.....	1
Tuberculosis of the œsophagus, with stenosis .....	.....	1	1
Ulteration of œsophagus into aorta .....	1	.....	1
OF THE STOMACH.			
Gastritis, chronic. ....	1	.....	1
Gastro-enteritis.....	.....	1	1
Gastric ulcer .....	2	.....	2
Carcinoma of pylorus.....	1	.....	1
Carcinoma of the stomach .....	7	.....	7
OF THE INTESTINES.			
Dysentery, chronic.....	1	1	2
Strangulated inguinal hernia .....	.....	2	2
Intestinal obstruction.....	1	.....	1
Intestinal obstruction and pyonephritis .....	1	.....	1
Intestinal ulceration.....	1	.....	1
Carcinoma of the duodenum .....	1	.....	1
Carcinoma of the colon.....	1	.....	1

## CAUSES OF DEATH—CONTINUED.

DISEASE.	MALE.	FEMALE.	TOTAL.
Carcinoma of the sigmoid flexure .....	1		
Carcinoma of the rectum.....	1		1
OF THE PANCREAS.			
Carcinoma of the pancreas .....	2		
Carcinoma of the pancreas and spleen.....	1		1
OF THE PERITONEUM.			
Perinephritic abscess and peritonitis.....	1		
Strangulated ventral hernia.....		1	1
Peritonitis, acute (cause not stated) .....	2	2	4
Peritonitis, chronic. ....	1		1
Peritonitis, due to ulceration of the uterus.....		1	1
Peritonitis, following strangulated femoral hernia .....		1	1
Peritonitis, from perforation of intestine.....	1		1
Peritonitis, pelvic, and valvular disease of heart. ....		1	1
DISEASES OF THE KIDNEY, BLADDER, ETC.			
Nephritis, parenchymatous, acute.....	5	2	7
Nephritis, parenchymatous, acute, and pneumonia... ..	1		1
Nephritis, parenchymatous, chronic.....	3		3
Nephritis, interstitial.....	4	1	5
Nephritis, interstitial, and tuberculosis pulmonalis... ..	1		1
Abscess of kidney.....	1		1
Pyelitis.....		1	1
Sarcoma of kidney.....	1		1
Uræmia.....	3		3
Acute Cystitis.....	1		1
Chronic Cystitis.....	2		2
Chronic Cystitis and Uræmia.....	1		1
Chronic Cystitis and prostatic hypertrophy .....	1		1
Tuberculosis of bladder and urethra. ....	1		1

## CAUSES OF DEATH—CONTINUED.

DISEASE.	MALE.	FEMALE.	TOTAL.
Rupture of urethra.....	1		1
Urinary calculus.....	1		1
DISEASES OF THE NERVOUS SYSTEM.			
OF THE BRAIN.			
Cerebral meningitis.....	1	1	2
Cerebral meningitis, syphilitic.....	1		1
Cerebral hemorrhage.....	1	1	2
Cerebral softening.....		3	3
Cerebritis.....		1	1
Hemiplegia.....	2	2	4
Hemiplegia and hypostatic pneumonia.....	1		1
DISEASES OF THE INTELLECT.			
Delirium tremens.....	1		1
Senility.....	2		2
Senility and arthritis deformans.....	1		1
Senility and cystitis.....	1		1
DISEASES OF THE SPINAL CORD.			
Myelitis.....	1		1
Myelitis, transverse.....	1		1
Paralysis, senile.....	1		1
Locomotor ataxia.....	1		1
POISONS.			
Acute alcoholism.....	5	1	6
Chloroform (administered during operation).....		1	1
Morphinism.....	2	1	3
UNCLASSIFIED.			
Carcinoma disseminata.....	1		1
Carcinoma of neck.....	3		3
Carcinoma of breast.....		5	5

## CAUSES OF DEATH—CONCLUDED.

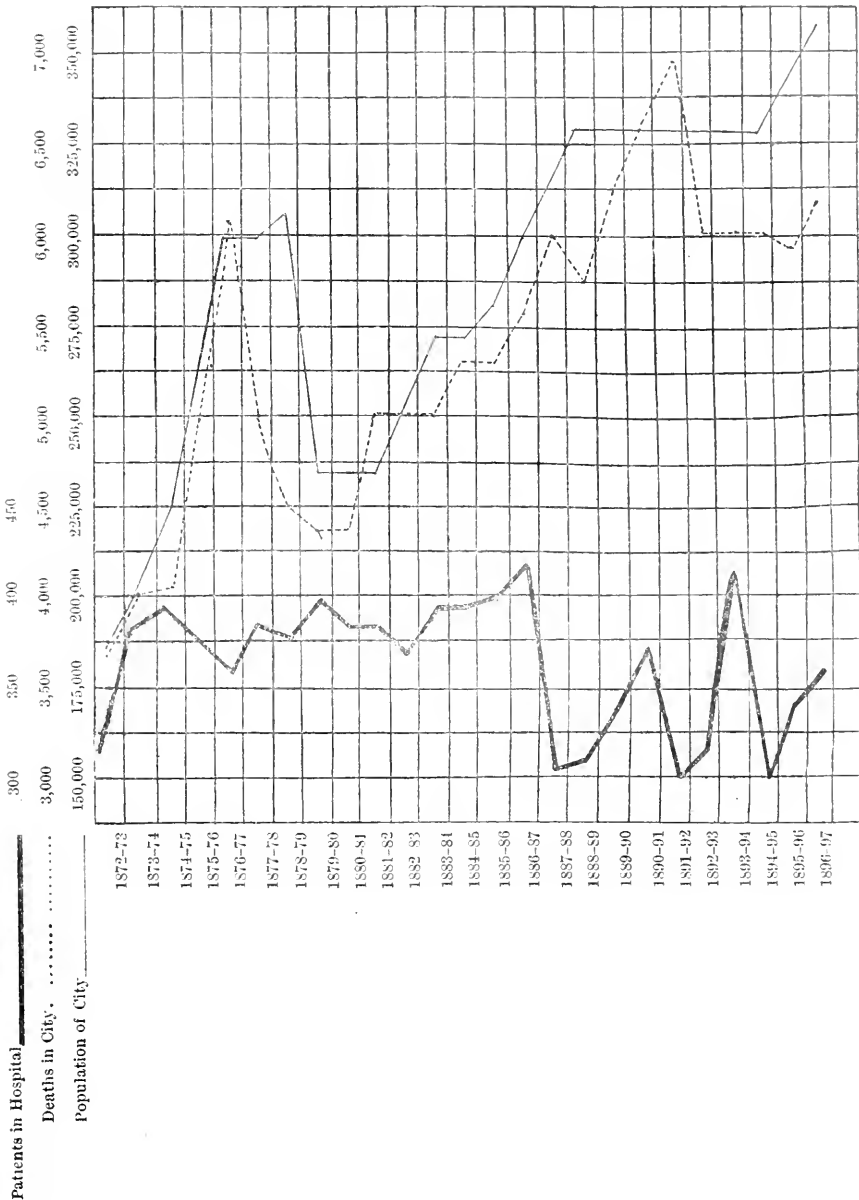
DISEASE.	MALE	FEMALE.	TOTAL.
Carcinoma of postmediastinal glands.....	1	.....	1
Carcinoma of pelvis.....	.....	1	1
Carcinoma of uterus.....	.....	5	5
Epithelioma of face.....	1	.....	1
Sarcoma of neck.....	1	1	2
Sarcoma of arm, axilla and mediastinum.....	1	.....	1
Sarcoma, malignant multiple.....	1	.....	1
Lipoma and sarcoma of abdomen.....	1	.....	1
Lymphadenoma, general.....	1	.....	1
Multilocular cyst of ovary.....	.....	1	1
Tuberculosis of vertebræ.....	2	.....	2
Premature birth.....	2	.....	2
Surgical shock.....	3	1	4
Inanition following cystitis and gastritis.....	1	.....	1
Inanition and hypostatic pneumonia.....	1	.....	1
UNDIAGNOSED.			
Coroner's cases.....	37	6	43
Grand total.....	392	112	504

DIAGRAM No. 1.

SHOWING POPULATION OF CITY. (Light Black Line.)

NUMBER OF DEATHS IN CITY. (Dotted Line.)

DAILY AVERAGE OF PATIENTS IN HOSPITAL. (Heavy Black Line)

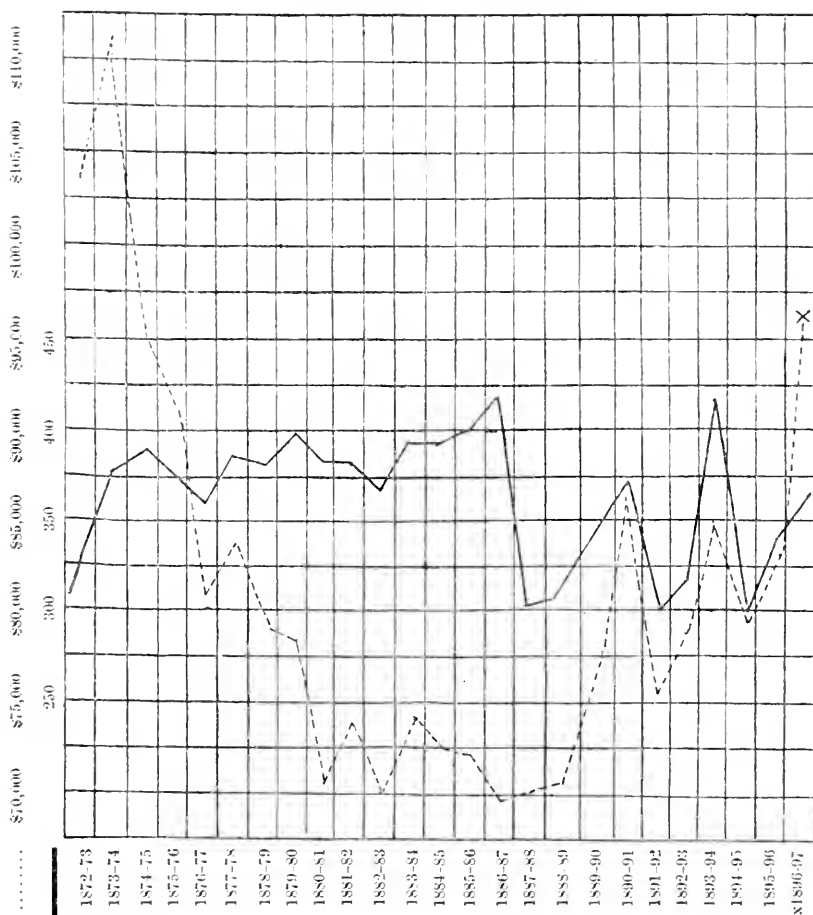


## HOSPITAL REPORT.

## DIAGRAM No. 2.

DAILY AVERAGE OF PATIENTS. (Black Line.)

TOTAL EXPENSE. (Dotted Line.)



Yearly Expense.....  
 Daily Average of Patients

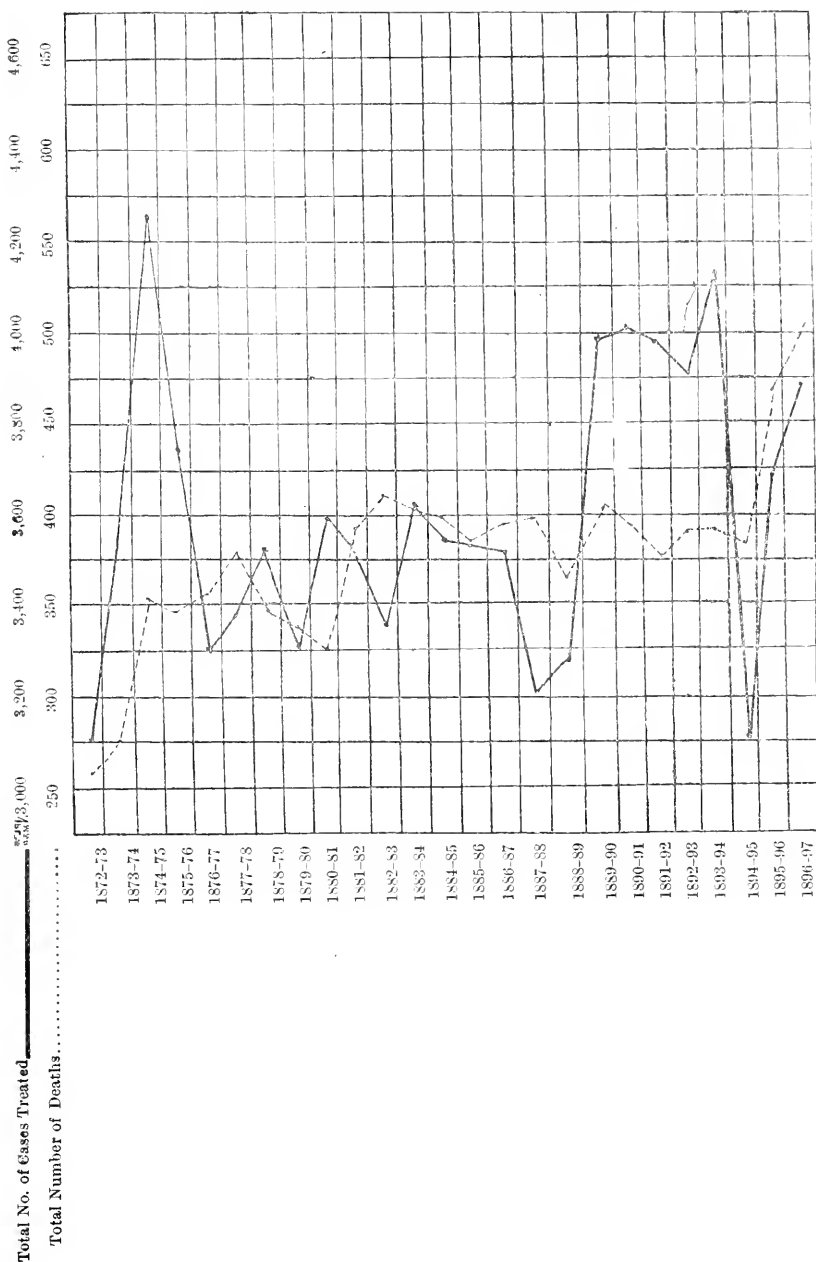
x Including special repairs.....\$14,718 36

Cost of maintenance..... \$1,029 81

Total..... \$95,748 15



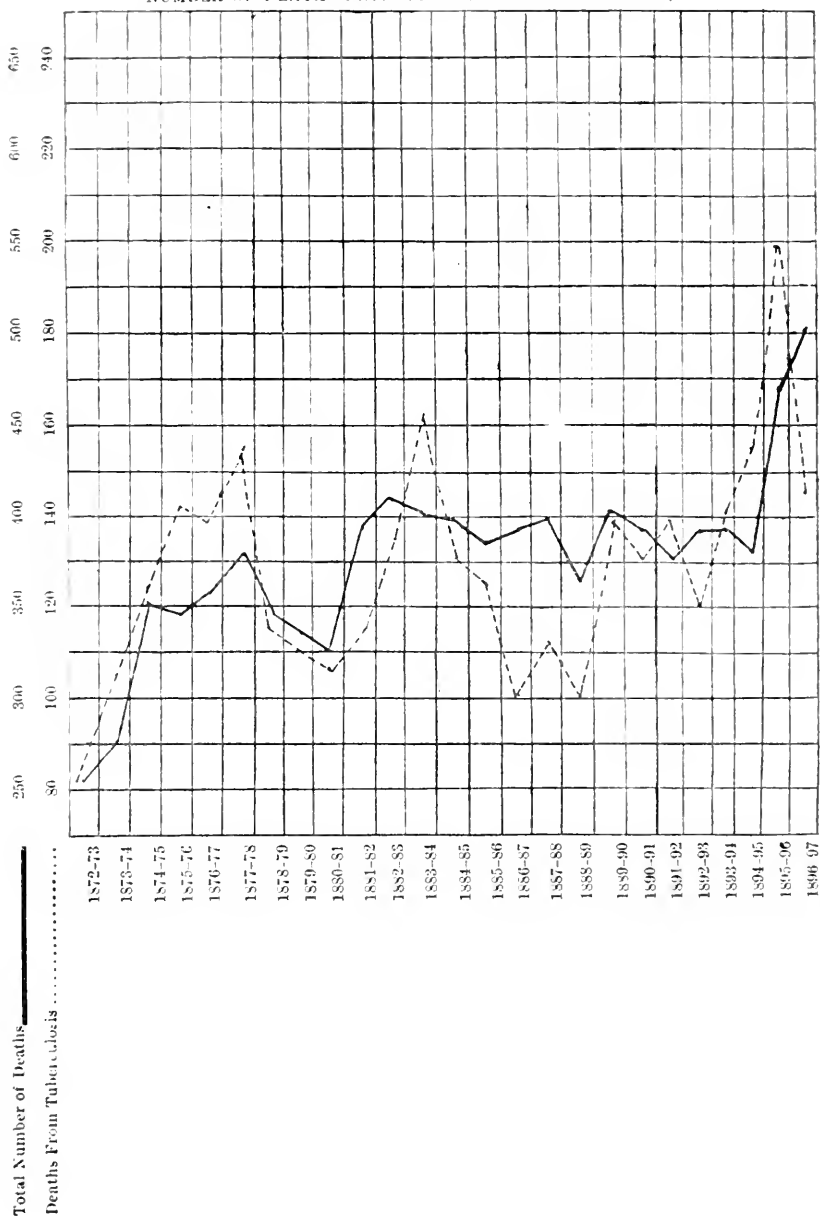
DIAGRAM No. 3.  
SHOWING TOTAL NUMBER OF CASES TREATED. (Black Line.)  
TOTAL NUMBER OF DEATHS. (Dotted Line.)



## HOSPITAL REPORT.

DIAGRAM No. 4.

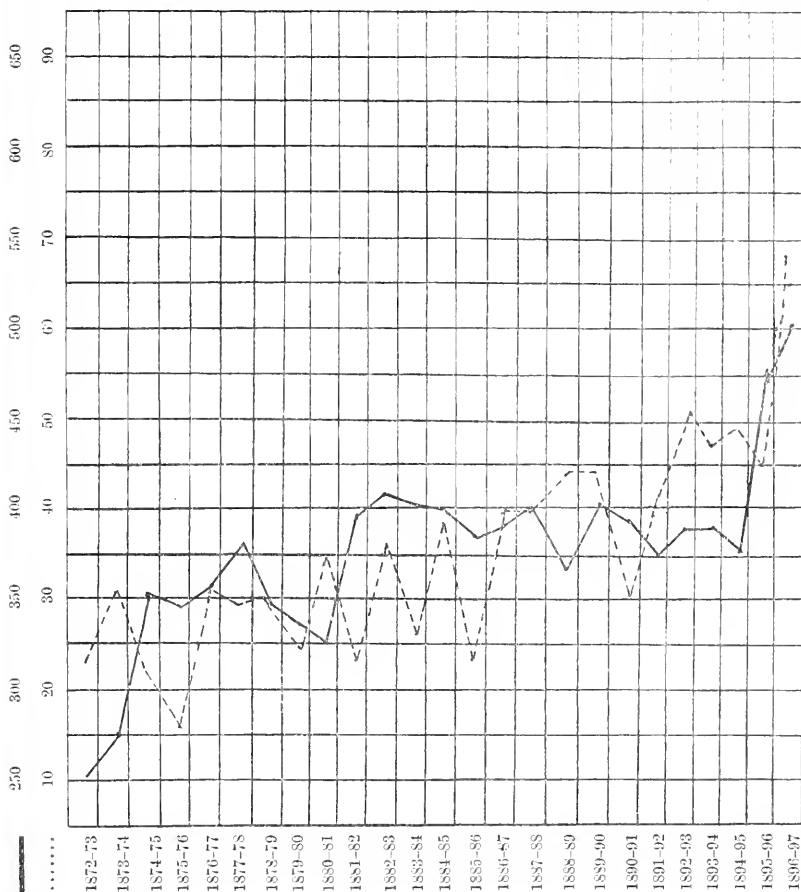
SHOWING TOTAL NUMBER OF DEATHS. (Black Line.)  
 NUMBER OF DEATHS FROM TUBERCULOSIS. (Dotted Line.)



## DIAGRAM No. 5.

SHOWING TOTAL NUMBER OF DEATHS. (Black Line.)

DEATHS FROM DISEASES OF THE HEART AND CIRCULATORY SYSTEM. (Dotted Line.)



Total Number of Deaths.....

Deaths From Diseases of the Heart, Etc.....

## HOSPITAL REPORT.

## DIAGRAM No. 6.

SHOWING TOTAL NUMBER OF DEATHS. (Black Line.)  
DEATHS FROM PNEUMONIA. (Dotted Line.)

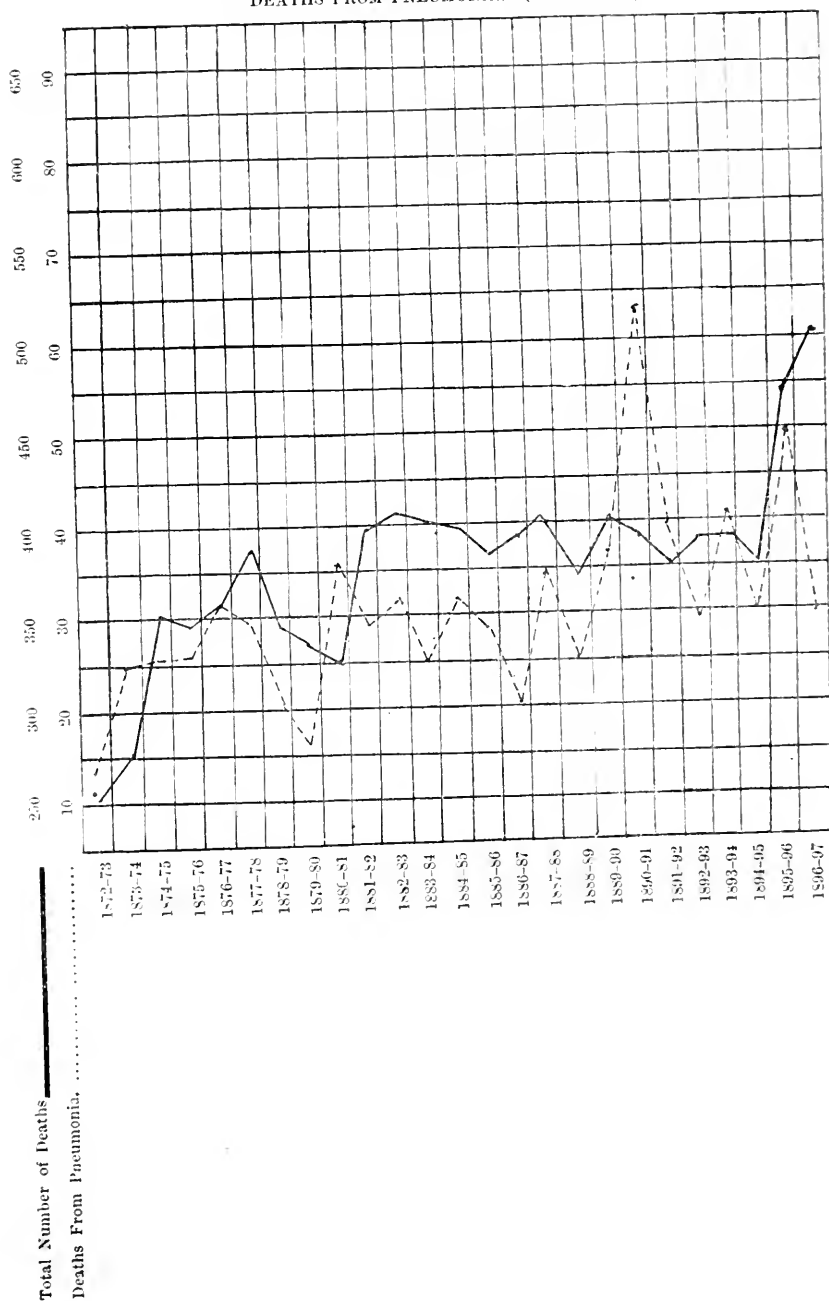
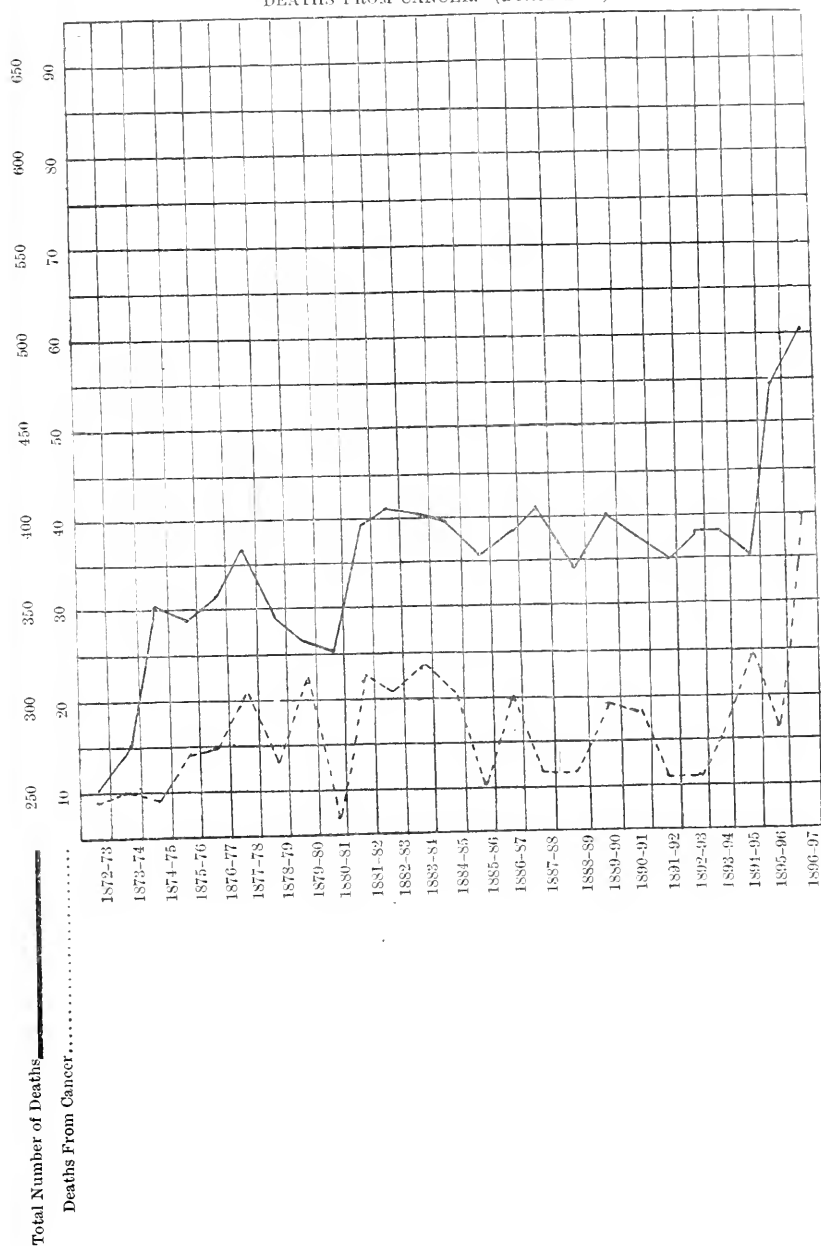


DIAGRAM No. 7.

SHOWING TOTAL NUMBER OF DEATHS. (Black Line.)

DEATHS FROM CANCER. (Dotted Line.)



## REPORT OF STEWARD.

San Francisco, July 1, 1897.

*John M. Williamson, M. D., Superintendent Physician—*

Dear Sir: The annual statement of expenditures accompanying this, the Steward's yearly report, shows that the City and County Hospital of San Francisco has been conducted for twelve months for \$81,029.79, or an average of \$6,752.48 per month, leaving aside the \$14,718.36 charged to special repairs. The amount would have been still less, and there would probably have been the necessity of closing the hospital for two months, had not the progressive members of the present Board of Supervisors come to the rescue and did what was possible to rectify the errors of their predecessors.

While the fact that a hospital with an average of nearly 400 patients was carried on for this amount of money may appear to be a master stroke from a financial point of view, it is, from a humanitarian standpoint, a circumstance that forms a blot of disgrace on the history of San Francisco. This story of how one of the largest public hospitals in the United States has been conducted with less than half the amount of money expended for the maintenance of even smaller institutions of the same kind, is one that reflects discredit on San Francisco and on the officials who were responsible for the meagerness of the hospital appropriation for the fiscal year just closed. The poor people of San Francisco, who have no other refuge when sickness incapacitates them, are the ones who have suffered by this "master-stroke of finance"—a phrase which sounds much better than inhuman parsimony.

As the literary flights of the hospital Steward must perforce be brief, owing to the expense of printing annual reports, I will make the general statement that the appropriations of the past have been entirely inadequate, and that every effort should be made to secure a sufficient amount for the coming fiscal year. Contract prices are higher this year than last, which is a reason not to be overlooked among the many others for securing a larger appropriation.

Since the 1st of January, when the present administration took charge of the hospital, strenuous efforts have been made to improve the condition of the institution and promote the comfort of the patients and employees. These efforts have been remarkably successful, considering the masterfulness of the financial stroke previously spoken of, the terribly dilapidated condition of the hospital structure, and the state of disorder that pervaded the grounds. The hospital painter, with what material the aforesaid "masterful-stroke" would permit of us purchasing, has improved the appearance of many portions of the interior. The gardener, by energetic and intelligent effort, has placed the grounds in a cleanly condition and beautified them by growing flowers where formerly was only dry grass or dust patches. The carpenter, engineer and other employees have added their quota of effort with the result that there is a notable improvement all around, though all of these employees have been handicapped and disheartened by a lack of material and tools, which lack was occasioned by a still greater lack of money.

Day after day during the year just passed nurses and doctors and other attaches have applied for necessary articles, and have been turned away weary and disappointed with the answer that the articles needed could not be supplied. All over the building the worn or broken furniture, dishes and utensils, carpetless floors, raggedly-curtained windows and makeshift appliances of all kinds attest the pov-

erty of an institution which, above all others, should be kept in spotless condition and abreast of the times in all respects, not only in justice to the city in which it exists, but to the destitute human beings who, in illness, find it their only place of shelter, and trust their lives within its portals.

At one time during the last six months it is an actual fact that nurses had to await their turn to eat because of a shortage of table ware. In several of the wards long rows of broken bottles graced the commodes, it being necessary to use them for sputum cups. Many similar instances of the barbarous poverty that make the San Francisco City and County Hospital a laughing stock abroad could be mentioned, but space will not permit.

I am sorry to note that, in their bitter murmurings against the wrong that is done them, the hundreds of poor who come and go cast some blame upon the present Board of Supervisors, which is an injustice that should be noted. The present Board is, of course, innocent of any errors made by its predecessors, and contrary to any desire to perpetuate this condition of affairs, its members seem to feel that steps must be taken to do away with the disgrace that exists. Appearances indicate that a brighter day is about to dawn for this asylum of the sick, and that it will be lifted by the present Board from the slough of despond into which it has been plunged by past masters of finance.

One of the steady aims of the present management has been to improve the food of the patients. While it is not yet, in the cases of the very sick people, all it should be, owing to the baneful shadow of the "master-stroke," it is greatly improved. The quality is better and the quantity greater. The same kind of meat, milk, butter, eggs and other supplies that goes to the officials and employees goes also to the patients. There is no difference and no distinction.

Your familiarity of the many needs of the hospital makes it unnecessary to go into details on that subject. I will simply say that they are many and urgent.

Labor is done a great injustice at the hospital. Owing to the insufficiency of funds it is impossible to pay the ward-tenders, who keep the buildings clean, more than \$5 per month each, and it is impossible, of course, to make patients work. There should be enough money to hire responsible men at fair wages to do this work. Labor has long ago entered its protest against this system of slavery.

Had the \$14,718.36 appropriated during the year past been properly expended there would have been a different tale to tell of the hospital's condition, though all the money in the city's vaults could not make the old death trap a thoroughly proper home for the sick. It cost the present administration \$3,795.09 to repair the damage incident to the corrupt expenditure of the \$10,922.27 that melted in the hands of the past one, and for which there was nothing to show but gaping trenches, disconnected sewers, some kalsomining daubed on a few wards as if it had been squirted out of a hose, and a few dollars' worth of carpenter work. Had the whole \$95,748.15 been expended for the maintenance of the hospital the battle to keep it open would not have been so hard.

I would recommend that a regularly paid carpenter be added to the list of employees, as there is great need each day for such a mechanic.

Respectfully,

PAUL EDWARDS, Steward.

QUANTITIES AND COST OF PRINCIPAL ARTICLES OF  
SUBSISTENCE USED DURING YEAR.

ARTICLES.	QUANTITY.	PRICE.	AMOUNT.
Beef.....	102,215 lbs.	4c. per lb.	\$4,088 00
Butter.....	7,727.3 lbs.	19½c. per lb.	1,506 82
Coal.....	543.8 tons	\$7 23 per ton	3,931 19
Coffee.....	6,905.3 lbs.	17 35-100c. per lb.	1,198 40
Eggs.....	11,970.5 doz.	18½c. per doz.	2,259 43
Fish.....	14,560 lbs.	2 89-100c. per lb.	420 78
Flour.....	81,800 lbs.	\$1 64 per lb.	1,341 52
Milk.....	32,148 gals.	16½c. per gal.	5,358 00
Mutton.....	57,681 lbs.	4 19-100c. per lb.	2 416 83
Potatoes.....	129,522 lbs.	46-100c. per lb.	595 80
Sugar, Brown.....	17,364 lbs.	4 92½-100c. per lb.	855 18
Sugar, Granulated.....	17,023 lbs.	5 67-100c. per lb.	965 49



ANNUAL STATEMENT OF EXPENSES OF CITY AND COUNTY  
HOSPITAL.

FISCAL YEAR ENDING JUNE 30, 1897.

ARTICLES.	AMOUNT.	TOTAL.
SUBSISTENCE—		
Bacon.....	\$125 55	
Beef .....	5,166 73	
Butter.....	1,506 82	
Coffee.....	1,198 40	
Eggs .....	2,259 43	
Fish .....	454 23	
Flour and meals.....	2,259 11	
Fruit and vegetables.....	2,145 40	
Groceries.....	2,442 79	
Ham.....	373 21	
Milk .....	5,649 77	
Mutton.....	2,416 33	
Poultry.....	315 44	
Sugar.....	2,024 10	
		\$28,337 81
MISCELLANEOUS—		
Blankets .....	\$279 10	
Brooms, brushes, etc .....	295 11	
Coal .....	3,931 19	
Coal oil.....	141 80	
Crockery and glassware.....	217 31	
Dry goods .....	2,064 44	
Electrical supplies.....	8 48	
Engine supplies. ....	37 42	
Expressage.....	788 25	
Furniture.....	557 40	
Hardware.....	239 11	
Ice .....	295 51	
Lumber.....	162 94	
Laundry Supplies.....	419 11	

# ANNUAL STATEMENT OF EXPENSES OF CITY AND COUNTY HOSPITAL--CONCLUDED.

ARTICLES.	AMOUNT.	TOTAL.
etty expense.....	\$112 90	
Paints, oils, etc.....	217 07	
epairs to buildings.....	136 64	
Repairs to utensils.....	279 40	
ationery and printing .....	833 15	
Telephone service .....	188 57	
T ware and kitchen utensils.....	277 36	
Tobacco .....	101 43	
Tools and implements.....	108 46	
Tule and moss.....	193 80	
Chloride of Lime Deodorizing materials.....	61 54	
Special repairs. ....	14,718 36	
STABLE EXPENSES--		26,665 85
Barley, oats, etc .....	\$199 24	
Hay and straw .....	345 63	
Horse shoeing.....	148 75	
Repairs to vehicles .....	542 23	
Sundry.....	116 35	
DISPENSARY -		1,352 20
Drugs, medicines, etc .....	\$5,778 15	
Labels.....	83 10	
Rubber goods .....	40 60	
Repairs to instruments. ....	38 60	
Surgical instruments.....	99 95	
Wines, whiskies and alcohol. ....	2,023 21	
Sugar.....	40 43	
		8,104 09
SALARIES .....		31,288 20
Grand total.....		\$95,748 15
Less special repairs.....		14,718 39
		\$81,029 79

PAUL EDWARDS,

Steward.

## STATEMENT SHOWING MONTHLY EXPENDITURES DURING THE FISCAL YEAR ENDING JUNE 30, 1897.

	Bacon.....	Beef.....	Butter.....	Coffee.....	Eggs.....	Fish.....	Flour and Meals....	Fruit & Vegetables.	Groceries.....	Ham.....	Milk.....	Mutton.....	Poultry.....	Sugar.....	Total Subsistence...
1896—July.....	\$14 13	\$89 30	\$117 65	\$90 56	\$107 58	\$39 09	\$135 45	\$154 28	\$256 75	\$26 71	\$373 00	\$171 42	\$11 66	\$119 51	\$2,087 09
August.....	14 58	404 75	117 00	113 81	141 55	26 36	163 25	163 47	292 82	20 66	423 00	162 31	28 01	223 25	2,237 82
September....	14 13	410 76	146 25	82 12	134 58	25 47	165 55	161 53	223 35	27 95	429 34	200 58	25 70	149 23	2,189 84
October.....	7 20	421 04	117 00	112 44	215 18	33 00	181 65	190 09	229 81	33 48	468 15	193 56	25 70	106 22	2,394 52
November....	6 84	326 61	146 25	109 31	135 92	27 09	193 33	164 95	218 14	49 03	448 33	182 68	68 95	186 13	2,264 48
December.....	.....	418 99	117 00	90 22	135 92	29 52	137 76	164 61	213 67	27 21	485 03	195 90	74 67	149 94	2,239 81
1897—January.....	14 31	439 36	150 69	97 50	237 81	39 54	334 01	125 16	197 47	35 14	463 15	199 58	11 65	198 48	2,525 85
February.....	8 82	379 46	89 70	91 27	169 88	33 73	88 71	119 56	133 88	28 17	419 15	200 08	2 05	111 63	1,893 44
March.....	9 54	502 05	135 73	112 09	220 85	54 89	191 29	160 88	228 05	28 37	591 70	216 71	35 75	213 74	2,577 44
April.....	9 90	486 36	113 38	112 26	226 52	59 95	324 09	173 85	154 42	26 60	520 15	218 86	15 30	150 60	2,617 69
May.....	9 81	463 91	134 56	63 21	283 15	40 93	59 16	240 92	180 49	33 18	556 65	248 31	.....	133 00	2,471 55
June.....	16 29	524 14	116 61	123 01	260 49	47 78	234 86	317 29	154 54	36 71	562 15	234 84	16 00	192 97	2,837 98
Totals.....	\$125 55	\$5166 73	\$1506 82	\$1198 40	\$2259 43	\$451 23	\$2259 11	\$2442 79	\$2145 40	\$373 21	\$5649 77	\$2416 83	\$315 44	\$2024 10	\$25,237 81

Average Daily Subsistence—Total, \$77 64.

STATEMENT OF EXPENDITURES—CONTINUED.  
FOR THE FISCAL YEAR ENDING JUNE 30, 1897.

1896—July.....	\$28 05	\$293 75	\$9 25	\$37 55	\$177 89	\$2 50	\$4 67	\$56 00	.....	\$16 39	\$26 80	\$35 00	\$56 87
August.....	19 00	269 98	9 25	20 29	190 02	.....	.....	58 00	880 50	1 50	22 08	5 00	27 07
September.....	23 00	242 89	9 25	20 65	158 50	4 50	.....	54 00	06 25	4 50	25 12	19 80	35 10
October.....	37 65	296 41	7 24	12 01	105 36	1 10	.....	68 50	102 90	11 43	29 72	4 00	73 51
November.....	13 50	400 86	9 28	10 35	204 45	.....	2 00	68 50	32 78	4 00	21 12	.....	30 81
December.....	63 06	522 75	18 56	15 16	109 16	.....	5 00	57 00	161 85	43 36	19 35	1 50	30 42
1897—January.....	32 50	452 89	16 24	28 71	249 43	.....	3 75	80 00	.....	1 40	12 50	27 00	41 23
February.....	78 00	554 82	6 96	7 55	187 98	.....	7 00	70 50	40 75	13 16	15 92	1 50	15 05
March.....	35 69	404 20	18 76	38 25	135 36	.....	11 00	75 00	.....	33 54	18 92	13 61	28 90
April.....	30 00	221 06	18 56	25 61	270 94	.....	.....	71 50	72 37	86 60	31 12	35 18	19 32
May.....	.....	277 73	9 28	.....	149 62	.....	4 00	65 75	.....	23 85	36 46	20 35	25 10
June.....	24 25	103 85	9 28	.....	5 03	.....	.....	60 50	.....	.....	39 10	.....	35 73
Total.....	\$279 10	\$3,431 19	\$141 80	\$217 31	\$2,061 44	\$8 46	\$37 42	\$788 25	\$557 40	\$239 11	\$295 51	\$162 94	\$419 11

# STEWARD'S REPORT.

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## STATEMENT OF EXPENDITURES—CONTINUED.

	Petty Expenses....	Paints, Oils, etc....	Repairs to Buildings	Repairs to Utensils.	Stationery and Printing.....	Telephone Service..	Tinware and Kitch'n Utensils .....	Tobacco.....	Tools and Imple-ments.....	Tule and Moss.....	Chloride of Lime...	Special Repairs....	Total Miscellaneous
1896—July.....	.....	\$21 10	\$14 80	\$118 40	\$121 30	\$13 19	\$45 40	\$9 82	\$5 25	\$11 40	.....	.....	\$1,111 09
August.....	.....	25 58	5 60	4 50	51 35	16 60	36 83	3 97	.....	11 40	\$8 36	.....	896 76
September.....	\$5 00	14 25	.....	.....	39 80	19 80	53 35	3 97	2 25	22 80	.....	.....	858 77
October.....	.....	16 05	47 88	36 50	135 50	18 54	30 15	10 04	15 35	11 40	.....	.....	1,136 26
November .....	18 50	2 00	24 41	25 50	30 45	18 68	31 70	9 82	3 53	11 40	.....	.....	973 61
December.....	3 00	3 75	17 05	16 70	88 25	19 19	34 30	9 82	36 90	22 80	.....	\$10,923 27	12,311 67
1897—January.....	.....	34 64	26 90	.....	31 00	19 81	.....	9 82	.....	11 40	42 49	.....	1,149 01
February.....	14 20	25 43	.....	42 00	7 50	16 81	23 85	3 97	5 35	11 40	.....	.....	956 32
March.....	9 10	27 19	.....	.....	184 25	17 80	9 23	9 82	12 16	31 20	.....	.....	1,133 51
April.....	5 15	47 08	.....	8 80	81 15	8 15	8 80	9 82	26 98	11 40	10 75	3,735 09	4,940 83
May.....	15 35	.....	.....	2 00	16 35	7 50	3 75	17 78	75	22 80	.....	.....	718 32
June.....	42 69	.....	.....	25 00	43 25	7 50	.....	1 88	.....	11 40	.....	.....	469 67
Total.....	\$112 90	\$217 07	\$136 64	\$279 40	\$833 15	\$188 57	\$277 26	\$101 43	\$108 46	\$123 80	\$61 54	\$14,718 36	\$26,665 85

\*Spent by outgoing administration.



MONTH OF	Daily Average of Patients.....	Daily Average of Patients and Employees.	Daily Sub-stance Expense per Patient.....	Daily Assistance Expense per Person.....	Total Daily Expense per Person.....	Total Amount of Each Month's Expense, Less the \$14,786 charged to special repairs ...
1896—July .....	306.10	401.62	\$0.2199	\$0.1676	\$0.6833	\$6,483 98
August.....	311.19	405.90	.2319	.1778	.6578	6,345 65
September <sup>a</sup> .....	321.40	418.43	.2270	.1743	.6835	6,591 16
October.....	312.42	438.64	.2227	.1760	.6864	7,284 62
November .....	333.60	433.53	.2262	.1741	.6475	6,472 71
December.....	362.03	457.06	.1995	.1520	1.58	6,849 79
1897—January.....	378.45	479.77	.2156	.17	.6298	7,370 06
February.....	381.64	488.89	.1768	.1394	.5649	6,040 27
March.....	388.39	490.97	.2140	.1693	.5936	7,147 34
April.....	393.30	511.60	.2219	.1709	.6535	7,455 61
May.....	392.65	510.04	.2031	.1503	.5611	6,829 85
June.....	373.40	494.10	.2506	.1914	.5497	6,158 75
Total averages.....	357.04	460.46	\$0.2182	\$0.1681	*\$0.7325	\$6,752 48

<sup>a</sup>.6260 without amount charged to special repairs.

CONTRACT PRICE OF ARTICLES FURNISHED THE CITY AND COUNTY  
HOSPITAL DURING THE FISCAL YEAR ENDING JUNE 30, 1897.

ARTICLES.	PRICE.	ARTICLES.	PRICE.
Apples, dried.....	3 90-100 per lb.	Mustard.....	7½c. per lb.
Bacon, best Cal. cured side.....	9c. per lb.	Mutton, first quality wethers.....	4 19-100c. per lb.
Barley, ground.....	.....	Oatmeal.....	\$2 30 per 100 lbs.
Barley, pearl.....	3 09-100c. per 100.	Oats, white feed.....	94c. per 100 lbs.
Beans, small white.....	1 23-100c. per lb.	Onions.....	74c. per 100 lbs.
Beef, steer best.....	4c. per lb.	Peaches, dried.....	3 90-100c. per lb.
cts.....	55-100c. per lb.	Peas, split.....	\$2 70 per 100 lbs.
Bran.....	73c. per 100 lbs.	Pepper, black ground.....	16 71-100c. per lb.
Butter, first quality, Cal.....	19½c. per lb.	Pickles, No. 2, assorted.....	46-100c. per gal.
Cabbage.....	58-100c. per lb.	Potatoes, best.....	3 19-100c. per lb.
Carrots.....	51-100c. per lb.	Raisins, layers.....	2 79-100c. per lb.
Cheese, first quality, Cal.....	8½c. per lb.	Rice, No. 2 China, mixed.....	3 17-100c. per lb.
Coal, Dunsmuir Wellington.....	\$7 23 per ton.	Sago.....	7 10-100c. per lb.
Coal oil.....	23 19-100c. p'r gal.	Salt, soda.....	35c. per 100 lbs.
Codfish, best Cal., bales.....	4 14-100c. per lb.	Salt, rock.....	43½c. per 100 lbs.
Cornmeal.....	\$1 50 per 100 lbs.	Salt, table.....	2 79-100c. per lb.
Coffee, Guatemala, roasted,	.....	Soap, laundry.....	3 98-100c. per lb.
first quality.....	17 35-100c. per lb.	Starch, laundry.....	4 92½-100c. per lb.
Cornstarch.....	4½c. per lb.	Sugar, Extra C.....	5 67-100c. per lb.
Currant jelly, 2-lb. tins.....	\$1 25 per doz.	Sugar, best granulated.....	6 75-100c. per lb.
Currants, Zante.....	6c. per lb.	Sugar, white, powdered.....	11c. per gal.
Eggs, fresh Cal.....	1½c. per doz.	Syrup, golden Cal.....	3 17-100c. per lb.
Fish, fresh.....	.....	Tapioca.....	9 85-100c. per lb.
Flour, Best Roller.....	\$1 64 per 100 lbs.	Tea, Riverside, or equal.....	\$1 40 per case.
Fruit, pie, 2-lb. tins.....	\$1 73 per case.	Tomatoes, 2-lb. tins.....	19 87-100c. per lb.
Fruit, table, 2½ lb. tins.....	\$2 50 per case.	Tobacco, black navy.....	.....
Germea.....	\$2 50 per 100 lbs.	Turnips.....	55-100c. per lb.
Ham, first quality sugarcured.....	10½c. per lb.	Vermicelli, No. 2.....	3 24-100c. per lb.
Hay, wheat.....	\$11 94 per ton.	Vinegar, 30°.....	5 74-100c. per gal.
Hominy.....	\$2 25 per 100 lbs.	Wheat, cracked.....	\$15 20 per doz.
Jelly, currant.....	.....	Yeast powder, 5-lb tins.....	16½c. per gal.
Lard, fresh Cal.....	6 75-100c. per lb.	Milk (non-contract).....	.....
Macaroni, No. 2.....	3 24-100c. per lb.	Cream (non-contract).....	\$1 00 per gal.
Mackerel, No. 1.....	\$1 35 per klt.		



COMPARATIVE TABLE No. 1.

FROM 1872-73 TO 1896-97.

YEAR.	NAME OF SUPERINTENDENT PHYSICIAN.	Daily Average of Patients.....	Daily Average Offi- cers and Employees	MONTHLY AVERAGE OF SALARIES.	TOTAL YEARLY EXPENSE.	MONTHLY AVERAGE.			Daily Cost Subsist- ence per Patient...	Daily Cost Subsist- ence per Person...	Total Daily Expense per Patient .....
						Meat, lbs....	Eggs, No....	Milk, pts....	\$	%	\$
1872-73.....	Lawlor.....	329	40	\$2,433 30	\$103,659 57	.....	.....	.....	80	256	80.863
1873-74.....	Lawlor.....	378	43	2,376 83	108,686 07	11,767	4,520	13,260	211	231	795
1874-75.....	Lawlor.....	359	43	2,558 21	96,100 22	11,767	4,520	13,260	211	19	677
1875-76.....	Lawlor and Bryan	375	43	2,554 88	99,764 96	11,264	4,488	13,545	196	176	661
1876-77.....	Bryan and Titus	360	43	2,498 17	81,633 39	10,961	4,767	13,749	212	189	625
1877-78.....	Bryan.....	333	43	2,494 75	83,411 08	11,623	4,780	13,391	218	196	597
1878-79.....	Bryan.....	389	43	2,611 00	79,218 84	11,787	4,784	13,782	197	178	571
1879-80.....	Bryan and Titus	396	40	2,610 03	78,938 34	12,428	4,650	13,799	198	18	545
1880-81.....	Titus.....	383	44	2,485 33	79,837 05	11,965	4,680	14,507	184	165	597
1881-82.....	Titus.....	354	44	2,489 50	73,420 55	10,951	.....	14,500	182	163	593
1882-83.....	Titus.....	366	44	2,436 91	69,844 89	10,113	4,500	13,867	195	174	623
1883-84.....	Bryan.....	389	43	2,505 27	73,834 42	11,031	5,600	11,133	181	163	519
1884-85.....	Bolan.....	389	41	2,335 10	72,734 03	13,416	5,670	12,660	189	17	512
1885-86.....	Bolan.....	392	46	2,493 13	71,513 95	10,639	5,640	13,719	172	154	502
1886-87.....	Barger.....	411	47	2,461 71	68,654 08	11,372	.....	11,120	161	145	464
1887-88.....	Keatney.....	305	45	2,493 65	70,973 21	10,184	7,440	11,412	228	198	467
1888-89.....	Healey.....	369	45	2,362 03	70,920 70	9,631	7,500	12,160	23	201	429
1889-90.....	Healey.....	333	44	2,563 00	77,305 65	10,385	9,120	14,670	204	182	436
1890-91.....	Healey.....	376	48	2,672 11	86,278 17	11,385	11,350	17,188	214	19	639
1891-92.....	Le Fevre.....	298	60	2,499 15	76,486 89	11,987	10,871	16,843	215	204	701
1892-93.....	Le Fevre and Titus	318	58	2,478 55	78,863 71	9,162	11,175	22,248	243	203	679
1893-94.....	Titus.....	413	96	2,470 25	88,434 47	13,170	16,890	29,400	231	185	562
1894-95.....	Titus.....	302	96	2,448 15	79,819 64	11,795	16,890	29,400	265	204	724
1895-96.....	Titus and Stable.....	332	99	2,497 64	82,932 11	12,742	10,410	21,610	255	183	687
1896-97.....	Stable and Williamson	357	103	2,607 35	95,748 15	13,825	11,970	21,432	217	169	735

## COMPARATIVE TABLE No. 2.

FROM 1872-73 TO 1896-97.

YEAR.	NAME OF SUPERINTENDENT PHYSICIAN.	SUBSISTENCE.	MISCELLANEOUS.	STABLE.	DISPENSARY.	Daily Average of Patients.	Average Cost of Drugs, Etc., per Patient.	
							Yearly.	Daily.
1872-73.	Lawlor.....	\$34,131 01	\$27,585 46	.....	\$17,543 53	329	\$53 32	\$0.146
1873-74.	Lawlor.....	35,658 60	21,491 86*	.....	22,966 60	378	60 76	.166
1874-75.	Lawlor.....	29,922 81	15,069 78	\$2,616 46	20,125 64	389	51 73	.142
1875-76.	Lawlor and Bryan.....	96,930 10	16,331 81	1,393 23	14,071 29	375	37 52	.102
1876-77.	Bryan and Titus.....	27,810 00	12,224 26	1,374 26	12,656 87	369	35 16	.096
1877-78.	Bryan.....	30,421 42	11,193 40	1,901 78	12,207 48	383	31 51	.086
1878-79.	Bryan.....	27,377 16	11,232 20	807 78	8,459 70	280	22 46	.061
1879-80.	Bryan and Titus.....	28,754 50	11,769 41	342 02	6,812 62	396	17 29	.047
1880-81.	Titus.....	25,695 21	9,737 57	381 88	4,959 00	383	12 05	.036
1881-82.	Titus.....	25,489 74	10,741 65	813 91	6,510 85	284	17 00	.046
1882-83.	Titus.....	26,104 57	8,632 98	875 55	5,708 90	366	15 60	.033
1883-84.	Bryan.....	25,815 43	14,698 77	734 70	5,366 27	389	13 80	.037
1884-85.	Bolan.....	27,918 34	6,635 24	1,620 14	6,311 06	389	16 22	.044
1885-86.	Bolan.....	24,976 27	16,639 10	946 43	6,731 59	392	17 18	.047
1886-87.	Barger.....	24,223 38	7,915 29	1,106 36	6,888 70	411	16 76	.046
1887-88.	Keane.....	25,067 49	8,851 06	675 50	6,107 36	365	20 00	.066
1888-89.	Healey.....	25,989 10	9,268 73	965 18	6,415 41	349	20 76	.037
1889-90.	Healey.....	24,823 65	14,780 38	1,497 06	6,113 61	333	18 45	.051
1890-91.	Head.....	26,413 38	16,682 32	1,075 65	7,061 07	376	18 78	.051
1891-92.	Le Fevre.....	26,661 89	12,710 63	5 8 61	6,525 46	298	20 89	.057
1892-93.	Le Fevre and Titus.....	27,796 69	12,153 57	792 50	8,710 40	318	27 50	.075
1893-94.	Titus.....	33,989 69	13,638 05	1,185 65	9,911 81	413	24 07	.066
1894-95.	Titus.....	29,217 66	12,906 33	1,066 65	7,171 39	392	23 75	.065
1895-96.	Titus and Stable.....	26,455 72	12,115 55	929 18	9,480 01	332	28 56	.078
1896-97.	Stable and Williamson.....	28,367 81	26,196 181	1,452 20	8,104 19	357	22 70	.062

\*Including stable expense.

including \$14,718 36 "special repairs" appropriation.

APOTHECARY'S REPORT.

SAN FRANCISCO, July 1, 1897.

John M. Williamson, M. D., Superintendent Physician—

DEAR SIR: I herewith submit the report of the Apothecary for the year ending June 30, 1897.

Respectfully,

WM. M. HICKMAN,  
Apothecary.

STATEMENT SHOWING MONTHLY EXPENDITURES DURING THE  
FISCAL YEAR ENDING JUNE 30, 1897.

	Drugs.....	Surgical Sup- plies.....	Surgical In- struments....	Alcohol.....	Whisky.....	Port Wine...	Sherry.....	Claret.....	Brandy.....	Total.....
1893.										
July .....	\$417 89	\$120 15	.....	.....	\$81 57	.....	.....	\$16 75	.....	\$639 36
August.....	325 14	151 24	.....	.....	84 32	.....	.....	.....	.....	569 70
September.....	299 45	277 69	\$12 60	.....	86 07	.....	\$52 50	15 00	.....	743 31
October.....	367 25	225 68	.....	.....	166 88	\$51 00	.....	16 25	\$2 50	829 56
November.....	279 46	164 52	47 40	.....	81 40	.....	.....	13 75	.....	586 53
December.....	319 70	186 73	29 22	\$13 25	88 07	.....	.....	.....	.....	634 94
1897.										
January.....	317 05	212 00	13 00	219 15	239 89	52 00	52 50	.....	.....	1105 72
February.....	419 53	214 80	.....	.....	.....	.....	.....	.....	.....	634 23
March.....	229 27	253 65	26 79	.....	159 50	.....	.....	.....	.....	609 21
April.....	343 07	250 74	14 75	.....	159 50	52 50	51 50	.....	.....	842 06
May.....	343 26	93 50	26 85	.....	277 50	.....	.....	.....	.....	741 11
June.....	.....	115 34	.....	.....	.....	.....	.....	.....	.....	116 36
Total .....	\$3660 97	\$2236 03	\$170 61	\$232 40	\$1427 81	\$155 50	\$156 50	\$61 75	\$2 50	\$3104 09

## HOSPITAL REPORT.

## STATEMENT OF DRUGS PURCHASED.

DATE.	FROM WHOM PURCHASED.	AMOUNT.	TOTAL.
1896—July.....	Mack & Co.....	\$340 19	\$417 89
	Langley & Michaels Co.....	7 38	
	Clinton E. Worden & Co.....	29 48	
	Robert J. Alther.....	40 84	
August.....	Langley & Michaels Co.....		325 14
September....	Redington & Co.....	\$272 55	299 45
	Langley & Michaels Co.....	2 90	
	O. P. Downing & Co.....	24 00	
October.....	Redington & Co.....	\$301 55	367 25
	Langley & Michaels Co.....	7 25	
	Clinton E. Worden & Co.....	21 70	
	John G. Iis & Co.....	6 50	
	Frank Eastman & Co.....	30 25	
November.....	Langley & Michaels Co.....	\$263 83	279 46
	Clinton E. Worden & Co.....	15 63	
December.....	Mack & Co.....	\$281 03	319;70
	Clinton E. Worden & Co.....	14 10	
	Langley & Michaels Co.....	24 57	
1897—January.....	Redington & Co.....	\$281 08	317 05
	Clinton E. Worden & Co.....	26 23	
	Langley & Michaels Co.....	9 74	
February.....	Richards & Co.....	\$283 78	419 43
	Langley, Michaels & Co.....	114 60	
	Clinton E. Worden & Co.....	8 28	
	William Cluff Co.....	12 77	
March.....	Mack & Co.....	\$16 07	229 27
	Langley & Michaels Co.....	209 20	
	Redington & Co.....	4 60	
April.....	Mack & Co.....	\$286 23	343 07
	Clinton E. Worden & Co.....	37 49	
	William Cluff Co.....	13 75	
	Langley & Michaels Co.....	5 60	
May.....	Clinton E. Worden & Co.....	\$32 31	343 26
	William Cluff Co.....	13 96	
	Langley & Michaels Co.....	236 99	
			\$3,660 97

## STATEMENT OF SURGICAL GOODS PURCHASED.

DATE.	FROM WHOM PURCHASED.	AMOUNT.	TOTAL.
<i>Surgical Instruments, etc.</i>			
1896—September.....	J. H. A. Folkers & Bros .....	\$12 60	
November.....	William Hatteroth.....	47 40	
December.....	William Hatteroth.....	29 22	
1897—January.....	William Hatteroth.....	13 00	
March.....	William Hatteroth .....	23 79	
	Deckelman Bros .....	1 50	
	A. Berbert & Bro.....	1 50	
April.....	William Hatteroth.....	14 75	
May.....	William Hatteroth.....	26 85	
			\$170 61
<i>Surgical Supplies.</i>			
1896—July.....	Baxter & Oesting.....		120 15
August.....	Baxter & Oesting.....		151 24
September.....	Langley & Michaels Co.....	\$21 93	
	O. P. Downing & Co.....	255 76	
			277 69
October.....	O. P. Downing & Co.....	\$183 50	
	Langley & Michaels Co.....	12 05	
	F. C. Muller .....	19 98	
	Revere Rubber Co .....	2 00	
	Goodyear Rubber Co....	2 15	
			225 68
November.....	Langley & Michaels Co.....	\$158 77	
	Kohler and Chase .....	7 75	
			164 52
December.....	Langley & Michaels Co.....	\$8 00	
	Baxter & Oesting.....	175 70	
	Revere Rubber Co .....	3 00	
			186 70
1897—January.....	O. P. Downing & Co .....	\$196 50	
	Langley & Michaels Co.....	15 50	
			212 00
February.....	O. P. Downing & Co.....		214 80
March.....	Langley & Michaels Co.....	\$37 90	
	Redington & Co.....	7 80	
	O. P. Downing & Co .....	161 50	
	Kohler & Chase.....	22 45	
	William Hatteroth .....	24 00	
			253 65
April.....	Mack & Co.....	\$143 63	
	O. P. Downing & Co.....	60 40	
	Goodyear Rubber Co.....	16 75	
			220 74
May.....	O. P. Downing & Co .....		93 50
June.....	O. P. Downing & Co .....		115 36
			\$2,236 03

## STATEMENT OF LIQUORS PURCHASED.

DATE.	FROM WHOM PURCHASED.	ARTICLES.	AMOUNT.	TOTAL.
1896 July.....	Seegelken & Buckner.....	Whisky.....	\$84 57	
	Seegelken & Buckner.....	Claret.....	16 75	
				\$101 32
August.....	Seegelken & Buckner.....	Whisky.....		84 32
September, ...	Seegelken & Buckner.....	Whisky.....	\$86 07	
	Seegelken & Buckner...	Sherry.....	52 59	
	Seegelken & Buckner.....	Claret.....	15 00	
				153 57
October... ..	Seegelken & Buckner.....	Port.....	\$51 01	
	Seegelken & Buckner.....	Whisky.....	166 85	
	Seegelken & Buckner.....	Brandy.....	2 50	
	Seegelken & Buckner.....	Claret . . .	16 25	
				236 63
November.....	Seegelken & Buckner.....	Whisky.....	\$81 40	
	Mueh & Lynch.....	Claret.....	13 75	
				95 15
December.....	Seegelken & Buckner.....	Whisky.....	\$88 07	
	Crown Distilleries Co.....	Alcohol . . .	13 25	
				101 32
1897—January .....	Dallemand & Co.....	Whisky.....	\$239 80	
	Dallemand & Co.....	Port.....	52 00	
	Dallemand & Co.....	Sherry.....	52 50	
	Crown Distilleries Co.....	Alcohol.....	179 90	
	Langley & Michaels Co . .	Alcohol.....	39 25	
				563 45
February.....	Dallemand & Co.....	Whisky.....		159 50
April.....	Dallemand & Co.....	Whisky.....	\$159 50	
	Dallemand & Co.....	Port.....	52 50	
	Dallemand & Co.....	Sherry.....	51 50	
				263 50
April.....	Dallemand & Co.....	Whisky.....		277 79
				\$2,036 46

STATEMENT OF PRINCIPAL DRUGS AND SURGICAL SUPPLIES  
USED DURING THE YEAR ENDING JUNE 30, 1897.

ARTICLES.	QUANTITY.	VALUE
Absorbent Lint.....	1,600 pounds.	\$744 54
Absorbent Cotton.....	1,400 pounds.	320 64
Oil Silk and Oil Muslin .....	255 yards.	133 98
Adhesive Plaster.....	553 yards.	145 70
Oakum .....	500 pounds.	36 10
Absorbent Gauze.....	6,100 yards.	341 08
Rubber Tissue .....	70 yards.	17 93
Squibbs Chloroform.....	69 bottles.	91 60
Commercial Chloroform.....	74 pounds.	46 54
Squibbs Ether.....	89 cans.	112 95
Commercial Ether.....	51 pounds.	37 30
Carbolic Acid .....	362 pounds.	84 32
Iodoform.....	29 pounds.	96 67
Corrosive Sublimate.....	32 pounds.	37 15
Peroxide of Hydrogen.....	186 pounds.	51 90
Ground Linseed.....	5,000 pounds.	155 25
Glycerine .....	700 pounds.	118 75
Clinical Thermometers.....	14 dozen.	100 77
Medicine Glasses .....	53 dozen.	31 30
Quinine .....	225 ounces.	62 65
Codeine.....	76 ounces.	294 90
Sunfanol.....	53 ounces.	70 55
Phenacetine.....	50 ounces.	49 25
Ichtyol.....	8 pounds.	50 00
Morphine .....	23 ounces.	42 90
Cocaine .....	8 ounces.	33 45
Iodide of Potassium .....	121 pounds.	350 95
Petrolatum .....	560 pounds.	37 75
Salol.....	11 pounds.	39 85
Empty Capsules .....	55,000	37 79
Powder Papers.....	41,000	13 45
Corks .....	111 gross.	37 70
Prescription Vials.....	26 gross.	64 60
Powdered Opium.....	12 pounds.	39 60
Creosote.....	13 pounds.	12 82

## REPORT OF MATRON.

San Francisco, July 1, 1897.

*John M. Williamson, M. D., Superintendent Physician—*

Dear Sir: I respectfully submit our yearly report, at your request, but regret it is not more accurate. It has been impossible to make it more so, as we had, you will remember, no supplies in our possession from July 1, 1896, to January 1, 1897, only daily receiving from the Steward, Mr. Robinson, such material as was required to be manufactured, worked, or in some manner prepared for use in the hospital. From January 1st to June 30, 1897, I think everything will be found correct, as during that time all supplies used in my department have been in my possession, received in bulk from the Steward, Mr. Paul Edwards, and duly receipted for.

I am unable to furnish a correct statement of all articles manufactured or sewed in our department as requested, such as the hemming of tablecloths, bedspreads, napkins, screens, window curtains, window shades, meal cloths, and numberless other things made, of which there is no record made, and which would require a great deal of time and labor in the manufacture.

I hope my report will call your kindly attention to the vast amount of sewing done in the Matron's department, and the advisability of providing a water-motor for the sewing machines as a matter of health.

Respectfully,

MARY E. BLACK, Matron.



MATERIAL RECEIVED AND ISSUED DURING THE YEAR ENDING  
JUNE 30, 1897.

ARTICLES.	RECEIVED.	ISSUED.	ON HAND.
Blankets, pair.....	72	66	6
Buckles, each.....	552		552
Bobbins, dozen.....	12	12	
Buttons, dozen.....	257	104	153
Crash, yards.....	1,417	1,417	
Cretonne, yards.....	8	8	
Crinoline, yards.....	264	128	136
Cheese-cloth, yards.....	1,803	1,816	77
Cross-bar, yards.....	112	36	76
Cotton—spool, dozen.....	345	238	87
Sheet, each.....	437	183	251
Batts, rolls.....	939	914	16
Knitting, balls.....	59	7	52
Duck, yards.....	67	49	18
Dairy cloth, yards.....	528	431	96
Flannel—canton, yards.....	734	734	
Tennis, yards.....	95	64	31
Shaker, yards.....	122	83	39
Baby, yards.....	138	87	51
Green cambric, yards.....	7	1	6
Gingham, yards.....	99	99	
Oilcloth, yards.....	288	266	22
Linen table, yards.....	43	3	12
Muslin—			
Bleached, 4-4, yards.....	106	106	
Bleached, 5-4, yards.....	493	493	

## MATERIAL RECEIVED AND ISSUED—CONCLUDED.

ARTICLES.	RECEIVED.	ISSUED.	ON HAND.
Muslin—			
Bleached, 6-4, yards .....	49	49	
Bleached, 8-4, yards .....	45	45	
Bleached, 10-4, yards .....	97	10	87
Unbleached, 4-4, yards .....	465	465	
Unbleached, 5-4, yards .....	1,022	1,722	
Unbleached, 6-4, yards .....	1,391	1,391	
Shroud, yards .....	521	405	116
Bandage, yards .....	2,113	2,113	
Mosquito net, yards .....	196	145	51
Needles, packages .....	100	41	59
Napkins, number .....	192	192	
Pins, packages .....	156	145	11
Safety, packages .....	349	208	141
Serim, yards .....	128	128	
Spreads, number .....	56	56	
Sheeting—			
Rubber, yards .....	52	52	
Ashland, yards .....	389	350	39
Towels—			
Turkish, number .....	48	48	
Doctor's, number .....	546	470	76
Ticking, yards .....	422	422	
Tapes, dozen .....	30	20	10
Thimbles, number .....	72	41	31

ARTICLES MANUFACTURED AND ISSUED DURING THE YEAR  
ENDING JUNE 30, 1897.

ARTICLES.	MANUF'D	ISSUED.	ON HAND.
Number of cretonne cushion covers.....	3	3	
Number of baby dresses.....	12	12	
Number of pinning blankets.....	26	26	
Pair of cotton leggings.....	3	3	
Number of muslin table covers.....	4	4	
Number of chest protectors.....	1	1	
Number of bleached sheets.....	33	25	8
Number of ward sheets.....	560	560	
Number of pillowslips.....	610	580	30
Number of pillow ticks.....	66	54	12
Number of aprons.....	165	165	
Number of roller towels.....	196	190	6
Number of patients' towels.....	584	578	6
Number of ward shirts.....	454	454	
Number of straw ticks.....	49	43	6
Number of moss ticks.....	42	42	
Number of shrouds.....	135	122	13
Number of eye shields.....	118	102	16
Pair of sleeves.....	23	18	5
Number of diapers.....	234	234	
Number of rubber aprons.....	11	11	
Number of coffee bags (hannel).....	11	11	
Number of sand bags (ticking).....	13	13	
Number of table cloths.....	12	12	
Number of scrim curtains.....	41	41	
Number of night gowns.....	1	1	
Number of chemises.....	1	1	

## REPORT OF TRAINING SCHOOL.

San Francisco, July 1, 1897.

*John M. Williamson, M. D., Superintendent Physician—*

Dear Sir: In submitting this brief history of the San Francisco Training School for Nurses, together with a report of the work done since its organization, it is my earnest desire to call your attention to the present entirely inadequate sleeping and living apartments assigned to the nurses.

Nurses, as human beings and women, have the same tastes as other women, and after spending so much time with the sick should have the benefit of cheerful surroundings when off duty; instead of this our nurses eat and sleep in the hospital atmosphere with its medley of odors, where conditions to maintain health do not exist. An inexpensive temporary frame structure erected on a distant part of the hospital grounds, a library not necessarily large, and a piano, would be much appreciated by the nurses who, despite the many drawbacks and discomforts met with, have given most faithful and willing service to the patients of the hospital.

To raise the standard of our school I would suggest that we follow the example of other large hospitals, by increasing our term of training from two years to that of three years, and exacting a High School education as the minimum limit of educational advantages for the admission of candidates. I would also suggest that the Night Superintendent of Nurses, as well as the head nurses of departments be graduate nurses, as it will materially improve the efficiency of the service. A graduate nurse has been placed in charge of the General Operating Room, having care of all surgical instruments, dressings, etc., and is held responsible for the same. In nine wards a senior nurse is placed in charge of each ward during the day. The night staff of nurses takes entire charge of all patients in the entire thirteen wards, the four male nurses of the surgical wards being then relieved from duty.

The hospital averaging 360 patients of all classes of medical, surgical and obstetrical cases, the pupils consequently have a wide and varied service in the wards and operating room—an invaluable and all-round training such as few other hospitals can offer and none excel.

Commencement exercises of the class of 1895-96 were held in the Occidental Hotel parlors, December 10th, Rev. D. O. Kelley presiding. Appropriate addresses to the nurses were delivered by the Rev. W. H. Moreland; R. Beverly Cole, A. M., M. D., M. R. C. S. E., President of the American Medical Association; and Dr. C. N. Elinwood. The presentation of the medals and diplomas was made by Dr. Henry H. Hart, Chairman of the Hospital Committee of the Board of Health. The orchestra of the 1st U. S. Infantry of Angel Island, furnished an excellent musical program, supplemented by a charming cornet solo by Mr. John Frehner and clarinet solo by Mr. Donald Graham.

During the past six months many needed improvements have been introduced in the nursing department, though the hospital and operating room still lack proper equipment. Constant makeshifts and improvised methods render the work difficult.

During the present year a lecture and class room has been fitted up in the executive building. Previous to April, 1897, the pupils had met in the corridor of the nurses' quarters for study and lectures. In March, 1897, a male pupil was admitted to the Training School, there being, I believe, but two other hospitals in the United States where the provision is made for the training of male nurses.

A special diet kitchen, where a course of instruction in cooking may be taken, is a necessity, and would prove valuable to the pupils in their present and future work.

As we always have sick children in the various wards, it would be an advantage for the nurses, and a great benefit to the children, had we a children's ward; it being impossible to properly care for these little patients in their present environment in the general wards.

The last course of lectures began in April, 1897, and closed July 1st. Examinations, written and oral, will be given to the nurses during the first weeks of September of this year, the result of which will grade the nurses according to their efficiency.

As nearly as possible the same subjects have been taught in class, including clinical teachings and demonstrations in the amphitheatre, by the Principal of the Training School as those taken up by the faculty in their lectures. In this course no nurse knew beforehand what she would be called upon to do; preparation for different operations was gone over in detail, and this drill not being formal the pupils were allowed to criticise one another and make suggestions, while the principal emphasized the main points of the work. In addition, instruction in massage and in cooking has been given by the Principal of the Training School.

The Hospital and Training School feel greatly indebted to Major Hooper and the management of the Occidental Hotel for generously tendering the parlors and hotel service for our benefit at various times. The Training School also wishes to thank those who so efficiently contributed to the very enjoyable program:

Mrs. George H. Powers,  
Miss Hilda Newman,  
Miss Evelyn Henry,  
Miss Lienthal,  
Miss Marie Wilson.  
Mr. Henry C. Merrill,  
Mr. George B. Wood,  
Mrs. R. Hochstadter,

Miss Lillian O'Connell,  
Mrs. Sroufe-Loosley,  
Miss Madeline Beckhusen.  
Mr. W. A. Sabin,  
Mr. Frank Coffin,  
Mr. W. J. Andrews.  
Dr. Gregory Flesher.

## PATRONESSES.

Mrs. M. B. M. Toland,  
Mrs. Robert McLean,  
Mrs. George H. Powers,  
Mrs. Selden S. Wright,  
Mrs. C. N. Ellinwood,  
Mrs. G. A. Crux,  
Mrs. C. C. Baker,  
Mrs. A. T. Huntington,  
Mrs. Sands Forman,  
Mrs. Henry Gibbons, Jr.  
Mrs. S. Ella Long,  
Mrs. Margaret Touchard,

Mrs. C. Elwood Brown,  
Mrs. Joseph L. Moody,  
Mrs. John A. Darling,  
Mrs. Washington Dodge.  
Mrs. E. P. Cole,  
Mrs. W. B. Brown,  
Mrs. Thomas Cole.  
Mrs. C. Van Brunt of Alameda.  
Mrs. John Knell,  
Mrs. M. Francis L'Hote, Stanford University  
Mrs. Joseph Black,  
Mrs. Evelyn Moss.

To the many generous patrons we wish to express our gratitude. Respectfully,

MARY PATTON, Principal of Training School.

## STATISTICS OF TRAINING SCHOOL FOR NURSES.

## INITIAL YEAR

1892.

Senior pupil nurses.....	4	
Junior pupil nurses.....	10	
Probationers.....	3	
Total remaining.....		17
Probationers received during the year.....		34

1893.

Senior pupil nurses.....	6	
Junior pupil nurses.....	9	
Total remaining.....		15
Probationers received during the year.....		14
Probationers accepted.....		5
Pupils resigned.....		7

1894.

Graduate nurse.....	1	
Senior pupil nurses.....	2	
Junior pupil nurses.....	7	
Probationers.....	6	
Total remaining.....		16
Probationers received during the year.....		56
Pupils resigned.....		11
Nurses graduated first-class, September, 1893.....		6
Left the school.....		5
Retained as assistant to the head nurse until November, 1894.....		1

1895.

Senior pupil nurses.....	5	
Junior pupil nurses.....	12	
Probationers.....	2	
Total remaining.....		19
Probationers received during the year.....		15
Probationers accepted.....		10
Nurses graduated.....		2

# TRAINING SCHOOL REPORT.

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## 1896.

Senior pupil nurses.....	10
Junior pupil nurses.....	14
Probationers.....	5
Total remaining .....	29
Probationers received during the year.....	28
Probationers accepted.....	14
Pupils resigned .....	3
Graduates taken post-graduate course.....	1
Pupils returned to finish unexpired term.....	4
Graduates of the class 1896.....	12
Monthly average of pupil nurses on roll.....	18
Monthly average of probationers.....	8
Monthly average of days special nursing.....	33
Monthly average of day nurses off duty ill.....	25
Formal applications received during the year.....	47

## 1897.

Graduate nurses.....	1
Senior pupil nurses.....	13
Junior pupil nurses.....	11
Male pupil nurse.....	1
Probationers.....	2
Total remaining.....	28
Probationers received during the year.....	12
Probationers accepted.....	8
Senior pupil nurses resigned.....	4
Graduates of the class 1897.....	8
Monthly average of pupil nurses on roll.....	24
Monthly average of probationers.....	5
Monthly average of days special nursing.....	23
Monthly average of day nurses off duty ill.....	5
Number of applicants on file.....	82

## RESIDENCE OF APPLICANTS.

Canada and the Provinces.....	4
New Orleans .....	1
Pennsylvania.....	1
Ohio.....	2
Kentucky .....	2
Texas.....	2
Oregon.....	2
Honolulu.....	2
California.....	66

## GRADUATES.

'92-'93—Miss Alice Archibald

Miss Mary Coffield.

Miss Kate Hanson.

Miss Katherine L. McGovern.

Miss Robin M. Robinson.

Miss M. Adelaide Waterman.

'94-'95—Miss Belle S. Espeset.

Miss M. Louisa Whicher.

'95-'96—Miss Lillie C. Buchler.

Miss Nellie D. Covert.

Miss Fannie B. Gibbel.

Miss Annie Irving Gray.

Miss Mary E. Mead.

Miss Frances A. Parry.

Miss Lillie B. Pearce.

'95-'96—Miss Jennie Ranson.

Miss Hattie D. Ryan.

Mrs. Elizabeth A. Reed.

Miss Adeleine M. Wood.

Miss E. Maud Walker.

'96 Post Graduate—Miss Hulder E. Graves.

(Graduate Jubilee Hospital, Victoria, B.C.)

'96-'97—Miss Mary L. Beasley.

Miss Mary S. McAfee.

Miss Julia M. Kane.

Miss Jessie R. Nelson.

Miss Mary Smith.

Mrs. Eugenie Thompson.

Miss Lena G. Young.

Miss Mattie Young.



## LECTURES TO NURSES.

DATE.	SUBJECT.	LECTURER.
1891—October 14.....	Tuberculosis.....	Dr. Abrams.
October 28.....	Tuberculosis.....	Dr. Abrams.
November 11.....	Typhoid Fever.....	Dr. Abrams.
December 4.....	Typhoid Fever.....	Dr. Abrams.
December 30.....	Pneumonia.....	Dr. Abrams.
October 20.....	Hygiene.....	Dr. Kerr.
October 27.....	Ventilation.....	Dr. Kerr.
November 3.....	Ventilation.....	Dr. Kerr.
November 10.....	House Drainage.....	Dr. Kerr.
November 17.....	Disinfectants.....	Dr. Kerr.
December 1.....	Disinfectants.....	Dr. Kerr.
December 15.....	Nursing Febrile Cases.....	Dr. Kerr.
December 29.....	Bath and Diet.....	Dr. Kerr.
November 24.....	Surgical Instruments.....	Dr. G. F. Shiels.
1892—January 29.....	Disease Germs.....	Dr. Le Fevre.
February 8.....	Disease Germs.....	Dr. Le Fevre.
March 31.....	Composition of Blood.....	Dr. Le Fevre.
May 10.....	Nervous System.....	Dr. Le Fevre.
May 25.....	The Eye.....	Dr. Le Fevre.
June 6.....	The Ear.....	Dr. Le Fevre.
June 12.....	Sympathetic Nervous System.....	Dr. Le Fevre.
September 23.....	On Duty of Nurses.....	Dr. Ellinwood
September.....	Gynaecology.....	Dr. Mays.
November 3.....	Gynaecology.....	Dr. Mays.
December.....	Eight lectures on General Surgery.....	Dr. Stillman.
1893—January.....	Fractures.....	Dr. Stillman.
February.....	Anaesthetics.....	Dr. Stillman.
1892—January 16.....	Temperature.....	Dr. Abrams.
January 5.....	Diet—continued.....	Dr. Kerr.
January 19.....	Instruments in Medical Use.....	Dr. Kerr.

## LECTURES TO NURSES—CONCLUDED.

DATE.	SUBJECT.	LECTURER.
1892—January.....	On Duty of Nurses—"Dont's".....	Dr. Kerr.
February.....	Anæsthetics.....	Dr. G. F. Shiels.
February.....	Anatomy.....	Dr. Healey.
March.....	Composition of Blood.....	Dr. Healey.
April 1.....	Preparing Specimens of Sputa for Microscope..	Dr. Hubbell.
May.....	Four lectures on Urine.....	Dr. Hubbell.
1893—April.....	Two lectures on Gynæcology.....	Dr. Von Hoffman.
1895—May.....	Three lectures on Eye, Ear and Throat.....	Dr. Hopkins.
October 29.....	Course of lectures repeated.....	Dr. Kerr.
November 6.....	Course of lectures repeated.....	Dr. Kerr.
November 13.....	Course of lectures repeated.....	Dr. Kerr.
November 27.....	Course of lectures repeated.....	Dr. Kerr.
February 20.....	Obstetrics.....	Dr. McCone.
February 27.....	Obstetrics.....	Dr. McCone.
March 8.....	Obstetrics.....	Dr. McCone.
March 14.....	Obstetrics.....	Dr. McCone.
November 24.....	Preparations and Applications of Surgical Dressing.....	Dr. R. A. McLean.
November.....	Three lectures—Aseptic and Antiseptic Surgery	Dr. Kreutzman.
1896—May 20.....	Course of lectures repeated.....	Dr. Kerr.
May 23.....	Course of lectures repeated.....	Dr. Kerr.
May 29.....	Course of lectures repeated.....	Dr. Kerr.
June 3.....	Course of lectures repeated.....	Dr. Kerr.

Classes also from Principal of Training School on Anatomy, Physiology, Materia Medica, General Ward Work, Baths, Etc.

Lectures discontinued from September, 1896, to April, 1897, through failure of the Superintendent to notify lecturers.

SCHEDULE OF LECTURES FOR APRIL, MAY AND JUNE, 1897.

ANATOMY.

DATE.	SUBJECT.	LECTURER.
April 8.....	Development of Bone.....	F. W. Dudley, M. D.
April 15.....	Bones of Skull.....	F. W. Dudley, M. D.
April 22.....	Bones of Trunk.....	F. W. Dudley, M. D.
April 29.....	Bones of Upper and Lower Extremities.....	F. W. Dudley, M. D.
May 5.....	The Joints.....	F. W. Dudley, M. D.
May 12.....	The Muscles.....	F. W. Dudley, M. D.
May 19.....	Arteries and Veins; Lymphatics.....	F. W. Dudley, M. D.
May 26.....	The Brain and Spinal Cord.....	F. W. Dudley, M. D.
June 5.....	The Heart and Lungs.....	F. W. Dudley, M. D.
June 12.....	The Organs of Digestion.....	F. W. Dudley, M. D.
June 19.....	The Pelvic Organs.....	F. W. Dudley, M. D.
June 26.....	Landmarks.....	F. W. Dudley, M. D.

Lecture Hour, 7 P. M.

OBSTETRICS AND INFANT FEEDING.

DATE.	SUBJECT.	LECTURER.
April 3.....	Pregnancy—Impregnation; Abortion.....	Jas. F. McCone, M. D.
April 10.....	Parturition—Natural Labor.....	Jas. F. McCone, M. D.
April 17.....	The Puerperal State—After-care.....	Jas. F. McCone, M. D.
April 24.....	Care of Infants—Infancy Growth and Development.....	Jas. F. McCone, M. D.
May 1.....	Care of Healthy Infants—Infant Feeding.....	Jas. F. McCone, M. D.
	(a) In health.	
	(b) In sickness.	

Lecture Hour, 4 P. M.

## HOSPITAL REPORT.

## GYNÆCOLOGY.

DATE.	SUBJECT.	LECTURER.
June.....	Gynæcological Instruments ; Preparing Patients for Examination ; Preparation for Gynæco- logical Operations and After-care.....	C.A.Von Hoffman,M.D.

Lecture Hour——

## ABDOMINAL SURGERY.

DATE.	SUBJECT.	LECTURER.
June.....	Technique to be Observed by the Nurse ; Post- Operative Care of Abdominal Cases .....	C.A.Von Hoffman,M.D.

Lecture Hour——

## EYE, EAR AND THROAT.

DATE.	SUBJECT.	LECTURER.
June 2.....	Eye, Ear and Throat .....	Hugh Lagan, M. D.
June 9.....	Eye, Ear and Throat.....	Hugh Lagan, M. D.
June 16.....	Eye, Ear and Throat.....	Hugh Lagan, M. D.
June 23.....	Eye, Ear and Throat .....	Hugh Lagan, M. D.

Lecture Hour——

SURGERY.

DATE.	SUBJECT.	LECTURER.
April 5.....	Cell Life—Healing of Wounds.....	G. F. Shiels, M. D.
April 12.....	Principles and Practice of Aseptic and Antiseptic Surgery.....	G. F. Shiels, M. D.
April 19.....	Dressings and their Disinfectants, and their Methods of Preparation and Use.....	G. F. Shiels, M. D.
April 26.....	Surgical Instruments (care of).....	G. F. Shiels, M. D.

Lecture Hour, 1 P. M.

SURGERY.

DATE.	SUBJECT.	LECTURER.
April 7.....	Anæsthetics and their Administration ; Care of Patients before, during and after Operation ; Shocks and Emergencies.....	Stanley Stillman, M. D.
April 14.....	Some Special Operations—Surgical Diseases ; Tumors, etc.....	Stanley Stillman, M. D.
April 21.....	Hemorrhage and its Treatment ; Wounds and their Treatment.....	Stanley Stillman, M. D.
April 28.....	Fractures, Dislocations, Contusions and Sprains—their Diagnoses and Treatment ; Prompt Aid to the Injured.....	Stanley Stillman, M. D.
May 5.....	Wounds, Accidents, Suppuration, Abscess, Erysipelas, Septicæmia, Tetanus, etc.....	Stanley Stillman, M. D.
May 12.....	Principles of Bandaging.....	Stanley Stillman, M. D.

Lecture Hour, 1 P. M.

## PHYSIOLOGY.

LECTURE NUMBER.	SUBJECT.	LECTURER.
First.....	The Phenomena of Life; Structure of the Elementary Tissues.....	W. W. Wymore, M. D.
Second.....	Blood. Circulation of the Blood.....	W. W. Wymore, M. D.
Third.....	Respiration.....	W. W. Wymore, M. D.
Fourth.....	Food and Diet; Digestion.....	W. W. Wymore, M. D.
Fifth.....	Absorption; Animal Heat; Skin; Kidneys.....	W. W. Wymore, M. D.
Sixth.....	Vascular Glands, Muscular System.....	W. W. Wymore, M. D.
Seventh.....	The Voice; Speech; The Cerebro-Spinal Nervous System.....	W. W. Wymore, M. D.
Eighth.....	The Cranial Nerves; The Senses.....	W. W. Wymore, M. D.
Ninth.....	The Sympathetic Nervous System.....	W. W. Wymore, M. D.
Tenth.....	The Reproductive Organs and Development.....	W. W. Wymore, M. D.
Eleventh.....	Development (Continued).....	W. W. Wymore, M. D.
Twelfth.....	Relation of Life to other Forces; The Chemical Basis of the Human Body.....	W. W. Wymore, M. D.

Lecture Hour, Monday, 4 P. M.

## LECTURERS FOR THE ENSUING YEAR, 1897-98.

R. Beverly Cole, M. D.  
C. A. Von Hoffman, M. D.  
W. W. Kerr, M. D.  
Stanley Stillman, M. D.  
James F. McCone, M. D.  
Dr. Hedwig Malmestrom (Massage).  
C. N. Ellinwood, M. D.

Robert A. McLean, M. D.  
George F. Shiels, M. D.  
F. Wilburn Dudley, M. D.  
Emmet Rixford, M. D.  
Hugh Lagan, M. D.  
W. W. Wymore, M. D.

Miss Edna P. Davis (Graduate of Mrs. Rorer's Cooking School, Philadelphia). Lectures and Demonstrations in Cooking.

## THE FOUNDING OF THE TRAINING SCHOOL FOR NURSES.

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The San Francisco Training School for Nurses was established in August, 1891, this being the first effort to bring the trained skill of the Eastern schools to bear upon the amelioration of the dependent afflicted in this Western metropolis. Briefly stated, during the previous year Mrs. J. G. Lemmon of Oakland was cared for through a severe illness, and her life no doubt saved through the skillful services of Miss Ida M. Forsyth, a graduate nurse from the famous Blockley Hospital of Philadelphia. Grateful for her own recovery, her solicitude for the welfare of others became greatly enhanced; and with her, desiring and doing are coincident as a general rule. Consulting with Miss Forsyth, it was decided to visit the City and County Hospital of San Francisco, this being the largest institution of its kind on the Pacific Slope, and one that would afford the best opportunities for clinical instruction and experience. The Superintendent Physician, Dr. C. S. Healy, welcomed these earnest women cordially and the subject was laid before him. Though evidently appreciating to the full the value of special and thorough training to prepare nurses for the proper care of invalids, he at first thought such a school would not be feasible in the City and County Hospital, because of the lack of suitable rooms for their accommodation and funds to carry on the work. During a subsequent interview, however, when Mrs. Lemmon introduced Miss Forsyth, it was discovered that the importance of instituting a training school in the hospital had grown in the Superintendent Physician's estimation—for he had already applied to the Board of Health and the Board of Supervisors for their approval and assistance. The Superintendent Physician found that a majority of the Board of Health (not including Mayor Sanderson, who was heartily in accord with the project from the first) were still undecided upon this innovation. They cited in objection the impropriety of placing young women in a hospital of mixed patients, the want of proper rooms, and lack of funds. Perhaps the chief objection, though unstated, was reluctance on the part of the Board to remove from the hospital wards the old-time nurses who, though inefficient, and some of them often intoxicated, were nevertheless persons of influence in political circles. The objectors were called upon again and again, and the various objections were gradually overcome, particularly that of placing young women in such positions, this being clearly demonstrated as having already passed the stage of experiment and become an unbounded success in similar institutions in the East. About this time Dr. Healy, the Superintendent Physician, had found rooms in a wing of the Hospital that might perhaps be made available for living quarters. He invited inspection of them, and they were pronounced suitable. These rooms, the same now occupied by the Training School, were then used in part by certain employees of the hospital, and it was not without loud protest that they were transferred to other quarters.

The rooms were devoid of furnishings of any kind, and Mrs. Lemmon, often accompanied by Miss Forsyth, set about soliciting aid from her friends and citizens of San Francisco, who responded generously, and these persevering women were finally successful in procuring various articles for furnishing the rooms with some degree of comfort. A careful account of all articles and money so contributed was kept and the names of the donors preserved. No sooner was the School in active operation than it was discovered that its establishment was a decided measure of economy. Heretofore the patients had been committed to the care of untrained nurses, employed at wages of from \$20 to \$75 per month, while the

pupils of the training school receive the nominal sum of \$10 per month after having given three months free service—a large saving in favor of the Training School.

The work of the School within a few months after its inauguration with even the small number of young women under the careful supervision of Miss Forsyth and her assistant, Miss Elise K. Mohl, eventuated in great improvement throughout the hospital. Neatly attired nurses were constantly on duty in the various wards and where formerly the medicines were kept on the table at the bedside of the patients, who helped themselves at will, the drugs were placed in closets under lock and key to be carefully measured and administered in the exact doses prescribed by the physicians. Neat charts were also seen at the heads of the beds where the nurses kept record of temperature, respiration and pulse, an indispensable requisite in the treatment of many diseases, especially fevers. The surgeons were also quick to appreciate the careful and intelligent preparation of patients for operations, and watchful care during the critical hours following. One of the leading physicians remarked that before the advent of the training school he often found it difficult to distinguish between a nurse and patient, as patients were often trying to nurse each other.

In the year 1891 twelve nurses only were enrolled. In 1893-94 the number averaged 16. This number was recognized by the Board of Health as entirely inadequate for the work of the hospital. Up to 1895 no appropriation had been made to meet the expense of a larger force of nurses, although the Board of Health in office at that time was very willing to increase the nursing staff, but had no funds on hand for such purpose. In October, 1895, and April, 1896, two musicales were given at the Occidental Hotel under the auspices of the leading society women of San Francisco, the proceeds (\$217.00) to be utilized for dormitory furnishings. This enabled us to accommodate nine more pupils, increasing the number of pupil nurses from 19 to 28. The names of the patronesses and artists who so generously gave their time and interest will be found appended hereto.

With the increased number of nurses the advantages to the patients are many; the relief to the nurses scarcely perceptible. The night force was increased from three to six, and frequently eight. A senior nurse is detailed as Night Superintendent of Nurses, directing the work and seeing that all emergencies arising during the night are properly met.

Critical medical and surgical cases, demanding extra care are furnished with special nurses, an arrangement impossible when the school numbered but nineteen pupils, the custom then being to strap or tie down delirious pneumonia and typhoid patients.



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PATIENTS. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

AVERAGE NO. PATIENTS TO ONE NURSE IN AMERICAN HOSPITALS WITH TRAINING SCHOOLS.

This image shows a full page of graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 25 rows of squares. A single dot is visible near the bottom left corner of the page. The paper appears slightly aged or off-white.

St. Luke's, Chicago.  
St. Luke's, San Francisco.  
Worcester, Mass.  
New England Woman's.  
Johns Hopkins.  
Massachusetts General.  
New York.  
St. Luke's, New York.  
Presbyterian, Philadelphia.  
Dorchester.  
Garfield Memorial, Wash'n.  
Mount Sinai, New York.  
German, Philadelphia.  
Harford.  
Allegheny General.  
Kings County, New York.  
Babylone, New York.  
Memphis.  
Cincinnati.  
Denver.  
Lombville.  
CITY & CO., S. F.

## CONTRIBUTIONS TO THE TRAINING SCHOOL.

NAME.	AMOUNT.	TOTAL.
AUGUST, 1891.		
Mrs. Henry Schmeidell.....	\$5 00	
Mrs. Henry Kunthal.....	2 50	
Mr. Adolph Sutro.....	20 00	
Mrs. H. M. Miller.....	2 00	
Mrs. George Fife.....	20 00	
Mrs. F. T. Hooper.....	2 00	
Mrs. G. N. Beaver.....	5 00	
Mrs. M. A. Swan.....	5 00	
Mrs. H. M. Newhall.....	2 00	
Mrs. Levi Strauss.....	5 00	
Messrs. Goldberg, Bowen & Lebenbaum.....	5 00	
W. & J. Sloane & Co.....	5 00	
Mr. Harry K. Miller.....	5 00	
Hub Clothing Co.....	5 00	
O'Conner, Moffatt & Co.....	5 00	
Roos Bros.....	5 00	
Newman & Levison.....	5 00	
Murphy, Grant & Co.....	5 00	
Payot, Upham & Co.....	4 50	
Total.....		\$113 00

DONATIONS TO THE TRAINING SCHOOL.

NAME	DONATION.
AUGUST, 1891.	
Mrs. O'Sullivan.....	One chair.
Messrs. Ray & Hampton .....	One hassock.
Gullixson & Bros.....	One hassock.
Alex. Mackay .....	One ingrain carpet.
Mrs E. P. Jones.....	Two chairs and one fur rug.
City of Paris ...	One pair of portieres.
Vicky .....	One picture.
Mis. J. G. Lemmon.....	Two corner shelves.
1896.	
Dr. C. N. Ellinwood.....	Kirks' physiology,
	Worcester's dictionary.
Mrs. Selden S. Wright.....	Jewel gas stove

LIST OF GRADUATES OF THE SAN FRANCISCO TRAINING  
SCHOOL FOR NURSES.

NAME.	OCCUPATION.	RESIDENCE.
Archibald, Alice.....	Private Nurse.....	San Francisco, Cal.
Buchler, Tillie C.....	Private Nurse.....	Kansas City, Mo.
Beasley, Mary L.....	Private Nurse.....	San Francisco, Cal.
Coffield, Mary A.....	Private Nurse.....	San Francisco, Cal.
Covert, Nellie D.....	.....	Soldier's Home, Yountville, Cal.
Espeset, Belle S.....	Private Nurse.....	San Francisco, Cal.
Gibbel, Fannie B.....	.....	Oneida Community, Cal.
Graves, Hulda Esther.....	Private Nurse.....	Victoria, B. C.
Gray, Annie Irving.....	Private Nurse.....	New York City, N. Y.
Hanson, Kate.....	Private Nurse.....	San Francisco, Cal.
Kane, Julia M.....	.....	City and County Hospital, S. F., Cal.
McAfee, May S.....	Matron.....	County Hospital, Santa Rosa, Cal.
McGovern, Katherine L.....	Private Nurse.....	San Francisco, Cal.
Mead, Mary E.....	.....	School Department, S. F. Cal.
Nelson, Jessie R.....	Private Nurse.....	San Francisco, Cal.
Parry, Frances A.....	Head Nurse.....	Soldiers' Home, Yountville, Cal.
Pearce, Lillie B.....	Private Nurse.....	San Francisco, Cal.
Ranson, Jennie.....	Private Nurse.....	San Francisco, Cal.
Reed, Elizabeth A.....	Private Nurse.....	San Francisco, Cal.
Robinson, Robin M.....	Private Nurse.....	San Francisco, Cal.
Ryan Hattie D.....	Private Nurse.....	Denver, Col.
Smith, Mary.....	Private Nurse.....	San Francisco, Cal.
Thompson, Engenie.....	Private Nurse.....	San Francisco, Cal.
Walker, E. Maud.....	Private Nurse.....	San Francisco, Cal.
Waterman, M. Adelaide.....	Superintendent.....	Mt. Zion Hospital, S. F., Cal.
Whicher, M. Louisa.....	Private Nurse.....	San Francisco, Cal.
Wood, Adeleine Maria.....	.....	Portland, Or.
Young, Lena G.....	Private Nurse.....	San Francisco, Cal.
Young, Mattie.....	Private Nurse.....	San Francisco, Cal.

LIST OF OFFICERS AND EMPLOYEES, JUNE 30, 1897.

NAME.	RATING.
John M. Williamson, M. D.....	Superintendent Physician.
J. O. Hirschfelder, M. D.....	Visiting Physician.
W. W. Kerr, M. D.....	Visiting Physician.
R. A. McLean, M. D.....	Visiting Surgeon.
C. N. Ellinwood, M. D.....	Visiting Surgeon.
F. W. Dudley, M. D.....	Resident Physician.
A. H. Giannini, M. D.....	Interne.
A. McLaughlin, M. D.....	Interne.
H. Morrow, M. D.....	Interne.
S. Binn, M. D.....	Interne.
N. B. Waller, M. D.....	Interne.
John H. Graves, M. D.....	Interne.
J. B. Rogers, M. D.....	Interne.
C. H. Lowell, M. D.....	Interne.
A. Newman, M. D.....	Interne.
J. Fife, M. D.....	Interne.
S. L. Rea, M. D.....	Interne.
P. M. Thomas, M. D.....	Interne.
Paul R. Edwards.....	Steward.
Charles Eisner.....	Clerk.
Wm. M. Hickman.....	Apothecary.
Frank I. Kelly.....	Assistant Apothecary.
Mary E. Black.....	Matron.
Kate O. Black.....	Assistant Matron.
Michael Ryan.....	First Waiter.
Thomas Michaelson.....	Second Waiter.
Alfred D. Stagg.....	Assistant Second Waiter.
Charles J. Johnson.....	Assistant Third Waiter.
Louis Loo.....	First Cook.
William Lahey.....	Second Cook.
William E. Lahey.....	Third Cook.

## LIST OF OFFICERS AND EMPLOYEES—CONTINUED.

NAME.	RATING.
Thomas Gill.....	Fourth Cook.
Charles Dellwig.....	Baker.
Gustave Braun.....	Assistant Baker.
Peter Fisher.....	Potwasher.
J. Annensen.....	Vegetableman.
Thomas Hinton.....	Pantryman.
Charles Genth.....	Dishwasher.
Ethan Allen.....	Mushman
Charles Kriedte.....	First Laundryman.
T. McManus.....	Second Laundryman.
Michael Howlett.....	Third Laundryman.
Charles Brown.....	Fourth Laundryman.
Charles H. Bogart.....	Fifth Laundryman.
Jeremiah Fenlon.....	Machinist.
Frank Doyle.....	Carpenter.
Hugh Featherstone.....	Fireman.
Patrick O'Malley.....	Coal Weigher.
James F. Johnson.....	Ambulance Driver.
T. B. Sutliff.....	Gardener.
John McAuliffe.....	Assistant Gardener.
George M. Yeomans.....	Assistant Gardener.
T. F. Dillon.....	Day Gatekeeper.
J. Williamson.....	Night Gatekeeper.
J. Stamper.....	Night Watchman.
B. E. Van Straaten.....	Porter.
Sophie Knorp.....	Domestic.
Mary Sheehan.....	Chambermaid.
William Farrell.....	Mattressmaker.
Peter Duffy.....	Assistant Mattressm a
George C. Gould.....	Painter.
John Falkingham.....	Assistant Painter.

LIST OF OFFICERS AND EMPLOYEES—CONTINUED.

NAME.	RATING.
Peter Carroll.....	Assistant Painter.
James G. Duffy.....	Stableman.
F. A. Brady.....	Assistant Stableman.
Thomas Hayes.....	Janitor.
J. Dougherty.....	Janitor General Operating Room.
William Rispin.....	Outdoor Janitor.
Clark W. Noble.....	Apothecary's Assistant.
W. J. Rummel.....	Apothecary's Assistant.
Thomas E. Penton.....	Apothecary's Assistant.
J. Cunningham.....	Morgue Tender.
Mary Fenton.....	Female Morgue Tender.
Henry Spitzenberg.....	Head Ward Tender.
William Bowe.....	Ward Tender.
Thomas Curley.....	Ward Tender.
Andrew Garrity.....	Ward Tender.
Lee Jim.....	Ward Tender.
George Miller.....	Ward Tender.
John Linahan.....	Ward Tender.
Patrick O'Rielly.....	Ward Tender.
John Riley.....	Ward Tender.
Thomas Weir.....	Ward Tender.
James O'Connor.....	Dresser.
J. M. Campbell.....	Dresser.
Ernest Flover.....	Nurse.
R. Sherlock.....	Nurse.
Harry M. Tingley.....	Night Orderly.
Mary Patton.....	Principal of Training School.
J. M. Kane.....	Nurse General Operating Room.
Elizabeth Beauchamp.....	Pupil Nurse.
Margaret Bertram.....	Pupil Nurse.
J. Cathcart.....	Pupil Nurse.

## LIST OF OFFICERS AND EMPLOYEES—CONCLUDED.

NAME.	RATING.
L. M. Curtis.....	Pupil Nurse.
Frances M. Dolan.....	Pupil Nurse.
Elizabeth Dutot.....	Pupil Nurse.
Jennie E. Gracier.....	Pupil Nurse.
Elsie Hayden.....	Pupil Nurse.
C. L. Howard.....	Pupil Nurse.
Ottillie Karstens.....	Pupil Nurse.
Mary Kelly.....	Pupil Nurse.
Bertha Lampkin.....	Pupil Nurse.
Ellen Mullin.....	Pupil Nurse.
Evilo McCoy.....	Pupil Nurse.
E. J. McLean.....	Pupil Nurse.
Grace McQueen.....	Pupil Nurse.
Jennie Nickson.....	Pupil Nurse.
Helena O'Brien.....	Pupil Nurse.
Mary O'Reilly.....	Pupil Nurse.
Ella Rist.....	Pupil Nurse.
M. Roney.....	Pupil Nurse.
Mary F. Strand.....	Pupil Nurse.
E. J. Tierney.....	Pupil Nurse.
Eleanor E. Underwood.....	Pupil Nurse.
Millie T. Armstrong.....	Probationer Nurse.
Amy Agnes Hart.....	Probationer Nurse.
Minnie Headley.....	Probationer Nurse.
William Hawkins.....	Probationer Nurse.



# Appendix.



# LIST OF MASTER PLUMBERS.

MASTER PLUMBERS.	ADDRESS.	MASTER PLUMBERS.	ADDRESS.
Adams, L.....	12-14 Market.	Creamer, Geo.....	1322 Pacific.
Anderson, C. E.....	1616 Polk.	Corneps, B. F.....	1915 Howard.
Allen, F. C.....	1314 O'Farrell.	Croistwaite, M. H.....	415 Third ave.
Baumsteiger, A.....	1503 Geary.	Carrick, D. F.....	1505 Sanchez.
Bayreuther, G. W.....	923 Natoma.	Connors, W.....	747 Folsom.
Butterworth, J. B.....	1809 Polk.	Curry, J. B.....	1822 Myrtle.
Bohn, E. M.....	753 Clementina.	Cosgrove, J. F.....	426 Herman.
Bartholdy, Otto A.....	406½ Grove.	De Lano, W. W.....	21 Spear.
Bordwell, A. B.....	154 Solano, S. S. F.	Day, James.....	459 Valencia.
Buick, W.....	211 Fourth.	Demers, E.....	3297 Mission.
Brown, B. C.....	307 Market.	Dahnke, C. F.....	169 Berry.
Blackman, M. J.....	2520 Sutter.	Dallamore, G. C.....	127 Washington.
Bailey, Thomas J.....	1430 Oak.	Dairr, E. C.....	517 Post.
Bradley, John J.....	216 Sanchez.	Downes, Chas.....	13 Elizabeth.
Butler, Joseph F.....	435 Hayes.	Dodge, H. W.....	431 O'Farrell.
Britt, Jas. E.....	19 Market.	Dorgan, M. H.....	30 Geary.
Brook, J. H.....	712 Larkin.	Dalton, J.....	114B Eleventh.
Bernstein, Louis.....	1121 Golden Gate ave	Dahl, Henry.....	413 Twenty-eighth.
Chicou, J. C.....	1 Webb.	Dayton, Albert.....	473 Folsom.
Cohen, M.....	813 Stockton.	Eckleman, J. J.....	1307 Pacific.
Croall, James.....	2107 Mason.	Enright, W.....	535 California.
Coyne, John.....	32 Clay.	Eastman, G. W.....	2763 Mission.
Casey, P. F.....	1019½ Pacific.	Ernst, Henry.....	634 Broadway.
Cronan, Anthony.....	440 Broadway.	Ertola, O.....	1508 Dupont.
Campbell, David B.....	417 Bush.	England, W. J.....	1415½ Hayes.
Culley, J. P.....	22 Seventh.	Eisner, H.....	1707 Sutter.
Clark, T. & Son.....	613 McAllister.	Edwin Richardson.....	605 Natoma.
Casey, M. B.....	128 Eleventh.	Fisher, M.....	505 Clipper.
Clifford, W. C.....	2 01 Mission.	Fitzpatrick, P. D.....	1325 Vallejo.

## LIST OF MASTER PLUMBERS—CONTINUED.

MASTER PLUMBERS.	ADDRESS.	MASTER PLUMBERS.	ADDRESS.
Farrell, J. F. ....	422 Valencia.	Hanton, E. ....	506 Geary.
Forsyth, W. C. ....	Alameda.	Hanna, J. L. ....	1206 Green.
Firmin, J. L. E. ....	1244 Valencia.	Hughes, James J. ....	615 Laguna.
Fabre, J. ....	618 California.	Helbing, Louis. ....	1700 Waller.
Fast, J. ....	2925 California.	Ickelheimer, S. ....	322 Sutter.
French, John. ....	2107 Fillmore.	Ingenlath, R. ....	142 First.
Flynn, James T. ....	1008 Railroad ave.	Irelan, W. J. ....	238 Ellis.
Fries, J. ....	913 Greenwich.	Ils, John G. ....	814-816 Kearny.
Floyd, Harry ....	1627 Divisadero.	Iredale, Charles W. ....	952 Mission.
Grundy, Edmund ....	140 Clipper.	Johnson, A. ....	2758 Twenty-fourth
Gainford, Thomas. ....	4 Golden Gate ave.	Jennings, John. ....	322 Fifth.
Groffman, C. P. ....	24 Third.	Jones, E. A. ....	708 Laguna.
Gulick, D. ....	506 Jones.	Kraur, E. ....	2741 Folsom.
Gray, Luke. ....	2622½ Sutter.	Koch, F. ....	1075 Howard.
Greninger, George. ....	1731 Market.	Klopper, Henry ....	1102 Clay.
Groom, J. P. ....	12 Mason.	Knobbs, F. T. ....	2326 Pine.
Hoffman, C. T. ....	823 Pacific.	Killion, J. F. ....	1505 Franklin.
Hollingsmith. ....	523 Pacific.	Kelly, J. H. ....	2828 Pine.
Hayes, E. L. ....	421 Fourth.	Killion, James. ....	1505 Franklin.
Heinz, Conal. ....	714 Montgomery av.	Kayser, C. H. ....	436 Hayes.
Horkins, George ....	1007 Post.	Kierman, T. ....	78 Converse.
Holmes, W. ....	1125 Valencia.	Kruehell, Charles. ....	1431 Steiner.
Hobbs, W. D. ....	728-30 Washington.	Lack, Henry. ....	1625 Fillmore.
Holby, T. J. ....	1124 Florida.	Lynch, F. ....	806 Howard.
Holmes, John M. ....	4077 Twenty-fourth.	Lewrie, John. ....	227 Golden Gate Av.
Haub, George M. ....	1841 Union.	Lippert, O. H. ....	312 Greenwich.
Haley, John ....	16 Minnesota.	Len, M. ....	5716 Harrison.
Humphreys, George. ....	15 Sanchez.	Latimer, C. H. ....	551 Harrison.
Howes, E. S. ....	1625 Divisadero.	Larsenaur, C. T. ....	1002½ Market.

## LIST OF MASTER PLUMBERS—CONTINUED.

MASTER PLUMBERS.	ADDRESS.	MASTER PLUMBERS.	ADDRESS.
Latimer, Chas. W. ....	951 Harrison.	Noble, G. H. ....	1 Hollis.
Leiser, L. ....	67 Fourth.	Noonan, Jas. J. ....	2321 Bryant.
Lane, Thomas E. ....	505 Kearny.	Newcastle, W. J. ....	1714 Stockton.
Lawson, John C. ....	773 Guerrero.	Newmark, A. ....	1807A Eddy.
Meehan, C. ....	652 Sacramento.	O'Dea, J. A. ....	1528 Polk.
Mulholland, John. ....	1718 Waller.	O'Brien, A. J. ....	1760 Ellis.
Mohr, Albert. ....	623 Davis.	O'Donnell, J. ....	1026½ Tennessee.
Murphy, Harry R. ....	545 Pine.	O'Brien, P. R. ....	1357 Folsom.
Manders, J. ....	963 Mission.	O'Brien, William T. ....	1357 Folsom.
Metzger, Gustave E. ....	209 Mission.	O'Hara, James H. ....	1719 Market.
Morrison, Wm. ....	110 Stewart.	O'Connor, James F. ....	26 Hartford.
Mills, F. H. ....	1706 Broadway.	Perazzi, H. J. ....	1005 Greenwich.
Murray, R. T. ....	Alameda.	Pike, Jos. ....	610 Jones.
Mackie, R. M. ....	23 Valencia.	Podesta, A. ....	355 Alvarado.
Mehegan, D. F. ....	1113 Pierce.	Petersen, S. ....	210 Powell.
Mayer, J. ....	94½ Laguna.	Ponder, J. H. ....	2002 Howard.
Moenning, H. A. ....	612 Octavia.	Poorman, J. ....	150 7th st., Oakland.
Malan, J. B. ....	208 Powell.	Pritchard, Phil. ....	319 Leavenworth.
Monaghan, A. S. ....	27 New Montgomery	Platz, Edward. ....	1524 Devisadero.
Manning, Thos. ....	340 Harriet.	Quinn, W. D. ....	785 Haight.
Morrice, Jas. ....	300 Noe.	Rehn, C. ....	210 Mission.
McCarthy, Charles ....	126 Pacific.	Rice, R. ....	107 Grove.
McKenna, J. ....	1015 Kearny.	Riley, John. ....	2014 Mission.
McKeown, Thomas. ....	515½ Sixth.	Roach, Geo. ....	1525 Howard.
McCormick, J. H. ....	313½ Sutter.	Riley, John A. ....	22d ave. & Ft. Lobos.
McManus, J. ....	3315 Clay.	Rose, John. ....	14th ave. and K.
McCarl, J. A. ....	1722 East ave., Oak.	Reilley, C. ....	214 Montgomery.
McDonald, J. A. ....	541 Sycamore, Oak.	Roth, F. ....	958 Howard.
McIntyre, William. ....	524 Bush.	Richardson, J. ....	816 Seventeenth.

## LIST OF MASTER PLUMBERS—CONCLUDED.

MASTER PLUMBERS.	ADDRESS.	MASTER PLUMBERS.	ADDRESS.
Russ, Albert H. ....	342 Sixth.	Schram, G. H. ....	313 Eleventh ave.
Reavey, A. J. ....	508 Fourth.	Stuhr, C. G. ....	1322 Church.
Ruddock, A. J. ....	1413 Buchanan.	Sullivan, E. H. ....	317 Plymouth ave
Rathbun, T. W. ....	1675 Eighteenth.	Sralina, P. ....	733 Vallejo.
Rankin, James. ....	1763 Grove.	Strum, C. L. ....	120 Eddy.
Ranson, John C. ....	773 Guerrero.	Schnuster, C. ....	2407 Howard.
Smith, J. P. ....	12 Bernice.	Tutt, E. R. ....	636 21st st., Oakland
Schmitt, C. G. ....	835 Valencia.	Treziise, J. S. ....	1146 Golden Gate av.
Snook, N. S. & Son. ....	754 Clay.	Thompson, F. B. ....	298 Ellis.
Snook, E. N. ....	1941 Broadway.	Wolfe, E. ....	632 Geary.
Sweeney, J. E. ....	114 Turk.	Ward, P. ....	1715 Market.
Schwartz, H. ....	131 Fifth.	Weekes, J. J. ....	1528 Stockton.
Spinks, Chas. N. ....	595 Sutter.	Weber, Henry ....	510 Montgomery av.
Siebert, E. F. ....	22 Sheridan.	Wilson, W. F. ....	294 Stockton.
Schuppert, A. L. ....	676 Filbert.	Williamson, D. ....	Cor. 8th & R. R. av.
Shepard, W. ....	122 Battery.	Westphal, H. N. ....	897 Geary.
Snead, F. A. ....	37 Masonic ave.	Williams, W. A. ....	3250 Twenty-first.
Schulich, J. A. ....	1701 Church.	Wyne, J. T. ....	733 Shotwell.
Spencer, G. A. B. ....	528 Stevenson.	Yung, Louis. ....	605 Fourth.

# LIST OF MARKETS.

NAME.	ADDRESS.	NAME.	ADDRESS.
Alc & Weiss .....	1226 Pacific.	Bender, J. ....	704 Diamond.
Arni & Fanger.....	Ocean View.	Boyes, J. ....	108 Clay.
Astorg, A. ....	108 Fifth.	Bellezer, F. ....	1516 Dupont.
Airey, H. J. ....	2323 Webster.	Baltzer, Wm. ....	427 Hayes.
Antz, H. ....	15-16 Grand Western Market.	Bergk, Anton. ....	2152 Mission.
Adams, E. ....	2773 Sixteenth.	Dierus, A. ....	315 Turk.
Adams, W. ....	1072 Howard.	Cailleaud, A. ....	148 Second.
Adler, W. ....	Fulton and Franklin	Consani, C. ....	111 Sixth.
Armbrust, A. C. ....	1305 Castro.	Cruza, J. A. ....	301 Lafayette and 495 4th
Anglies, R. ....	183 Cap.	Convey, E. ....	Green and Hyde.
Butchers' Board of Trade.	Phelan B'ldg., Room 132, Tel. Main 5849.	Cabossel, J. ....	2026 Fillmore.
Block, A. ....	1919 Fillmore and 743 McAllister.	Cardinali, L. ....	327 Kearny & Broad- way.
Brady, A. ....	218 Sixth.	Cassidy, J. ....	201 Twenty-third.
Beuttler, J. ....	533 Haight.	Crummey, J. ....	530 Clay.
Bradbury, T. H. ....	1503 Broderick.	Clauss, J. ....	Grand Western M'kt.
Band, J. ....	700 Valencia.	Cailleaud, H. ....	18 19 Cala. Market.
Blumenthal, H. ....	1014 Hampshire.	Chiesa, A. ....	332 Broadway.
Burkard, J. E. ....	412 Third.	Cames, F. ....	320 Sutter.
Block & Stein. ....	Geary and Larkin.	Creyer, & Chass. ....	1718 Howard.
Berger & Weiss. ....	1512 Kentucky.	Clayburgh Bros. & George	339 Kearny.
Bellomini, D. ....	301 Hayes.	Cron, Wm. ....	1035 Clay.
Blum & Rathjen ....	1319 Pacific.	Canavan, P. F. ....	508 Bryant.
Bunker, R. F. & Son ....	74-75 Cal. Market.	Crough, J. ....	108 Sixth.
Bacher, Chas. S. ....	1135 Clay.	Connelly, O. ....	2720 Twenty-fourth.
Buttenbach, J. ....	498 Fourth.	Dieckman, Chas. ....	San Bruno Road.
Blumenthal, A. ....	1014 Hampshire.	Dickson, C. M. ....	237 Third.
Baccus, R. ....	S. W. cor. O'Farrell and Mason.	Downey, J. J. ....	946 Twentieth.
		Delvechio, A. ....	328 Broadway.
		Decourtieux, A. & Son. .	529 Merchant.

## LIST OF MARKETS—CONTINUED.

NAME.	ADDRESS.	NAME.	ADDRESS.
Devecchio, Emil.....	85 Ninth.	Fuch, N.....	Grand Central Mkt.
Di Vecchio, F.....	439, 404 Hayes.	Fauciskini & Co.....	1528 Dupont.
Daecker, G. F.....	1629 Devisadero.	Fegnotio & Cereghino.....	311 Broadway.
De Luca, L.....	Mason and Lombard.	Gottsche, J.....	196 Noe.
Driscoll, J. A.....	1206 Valencia.	Gander, G.....	3002 Mission.
DeLuca, G.....	1338 Dupont.	Gisin, C. E.....	839 Valencia.
Demertini, F.....	210 Fourth.	Giovaunetti, C.....	241 Fourth.
Duprat, L.....	71 California Market.	Granuca, J. S.....	30 Stockton.
Dankwerth, G.....	Fourth and Perry.	Graber, C. C.....	2121 Fillmore.
Deller, T.....	131 Fifth.	Gerner & Hofman.....	92 Valencia and Sut- ter and Baker.
Drewes, F.....	1706 Church.	Ganzberger, H.....	Sixteenth and Capp.
Drewes, H. J.....	340 Twenty-fourth.	Goodwin, C.....	Union Square Mkt.
Daverkosen, F. E.....	2512 Bush.	Grothwohl, K.....	7 Fulton.
Deppe, H.....	436 Third.	Guehring, J.....	344 Twelfth
Dutchler, Geo.....	Eighteenth & Capp.	Goldmeyer, I. H.....	576 Howard
Dulion, A.....	23rd & Chattanooga	Giovaunetti & Simi.....	1910 Market.
Escude, G. L.....	Valencia near 16th.	Glennan, M.....	154 Polk.
Eggert, H.....	Union & Montgomery	Horn & Judge.....	564 Kearny.
Erasmus, J.....	1121 Point Lobos ave.	Hammond & Brod.....	Spreckels Market.
Engel, F.....	2707 Howard.	Hedrich, Louis.....	236 Howard.
Engler, B.....	217 Fourth.	Halbretter, A.....	22nd and York.
Flageollet, H. C.....	904 906 Valencia.	Hummel, F.....	286 Sixth.
Flach, J.....	17th & Dolores	Held, F. & Co.....	1447 Ellis
Ford & Foss.....	Butchertown.	Hicks, T. J.....	3025 Sacramento.
Fos, L.....	353 Howard.	Hicks, S. P.....	2010 Fillmore
Fischer, F.....	17 S Mission.	Higgins, C. H.....	5 Mission.
Fitschen, A. F.....	E. R. Ave. between 12th & 13th, S. S. F.	Haub, P.....	Union and Laguna
Fauser, C.....	15 Railroad ave, S.S.F	Hoffman, J.....	City Hall Market.
Fries, P.....	813 Buchanan.	Hall, J.....	351 Harrison.
Fulda, B.....	812 Geary.	Hoffman & Woenne.....	77 Market.



## LIST OF MARKETS—CONTINUED.

NAME.	ADDRESS.	NAME.	ADDRESS.
Hancock, T.....	326 Devisadero.	Kroeger, H.....	928 Illinois.
Horning, C. F.....	514 Valencia.	Kelly, M.....	Union Square Market
Hertz & Co.....	Union Square M'kt.	Kunnecke & Frische.....	Second & Bryant.
Himmelman & Co.....	1827 Union.	Kahn, Max.....	1604 Geary.
Hans, J. R.....	76 Clementina.	Kaiser, Benj.....	1103 Leavenworth.
Hechheimer, Lee.....	1303 Buchanan.	Kelly, M.....	513 Grove.
Hinz, William.....	2021 Fillmore.	Knoke & Gander.....	3012 Mission.
Huntman, D. A.....	421 Turk.	Kuntz, P.....	17 h near Church.
Walters, J. B.....	100 Twenty-first.	Kaupert, Joe.....	24th and Bryant.
Hatman, J. & Son.....	519 Gough.	Katz, J.....	813 McAllister.
Hayden, J.....	124 9th and 527 7th.	Kearnes, James.....	214 Langton.
Heinemann & Stern.....	916 Larkin.	Kahn, Leon ..	Cor. Laguna & Geary.
Hermann, B.....	Bush and Franklin.	Knierr & Allen.....	4th & Railroad ave.
Hillers, H.....	590 Courtland ave.	Lanfenberg, C.....	1577 Fifteenth.
Hening, Gus.....	3143 Sixteenth.	Lally, D. J.....	206 Eleventh.
Haberly, W. T.....	1645 Mission.	Levy, S.....	5 Mile House.
Heinz, Chas.....	362 Third.	Lacher, I.....	2014 Market.
Hart, Mark J.....	1766 Devisadero.	Lehman, G.....	1423 Devisadero.
James & Co.....	402 Kearny & Butcher- town.	Lyons, W.....	23 2 Mission
Junker, L.....	Fulton and Laguna.	Looney, J.....	425 Folsom.
Johnson & Co.....	Railroad & Fifth ave.	Liebe, E. B. ....	1779 Mission.
Kupfer, M.....	529 Merchant.	Laubscher, C.....	539 Valencia.
Kehoe, J. F.....	527 Fourteenth.	Levy, H.....	529 Clay.
Kratz, Wm.....	2436 Mission.	Larroche, Jno. M.....	6th ave. bet. L & M, S. S. F.
Kohn, A.....	1639 Ellis.	Lutz, L. ....	103 Ninth.
Katz & Sons.....	California Market.	Leonard, J. P.....	1043 Valencia.
Kratz, A.....	2109 Mission.	Ludwig, Otto ..	1424 Howard.
Kahn, A.....	2643 Bryant.	Lenci, O. & Co.....	1500 Dupont.
Kelly, J.....	1153 Howard.	Laubscler, Fred.....	1422 Dupont.
Kahn, L.....	Geary and Laguna.	Miller & Lux.....	508 California.

## LIST OF MARKETS—CONTINUED.

NAME.	ADDRESS.	NAME.	ADDRESS.
McGlone, J. ....	Second & Braunan.	Molinari & Bro. ....	433 Broadway.
Muller & Koening. ....	15-16 Cala. Market.	Meyer, F. ....	1903 Mission.
Marion, J. ....	408 Stockton.	Newman, A. ....	1079 Market.
Moffat, H. ....	238 Kearny.	Ohlmutz, J. ....	1404 Dupont.
McMenomy, J. H. ....	California Market.	Oswald, W. ....	1012 Pacific.
Muller, L. ....	Scott and Oak.	Oswald, J. ....	127 Second.
Michiletti, P. ....	512 Davis.	Oswald, C. E. ....	1308 Pacific.
Mooch, J. ....	31 Valencia.	Odoul, A. ....	1260 5th ave., S. S. F.
Meyers, J. ....	46 Washington M't.	O'Brien, J. ....	22 Twenty-fourth.
McEvoy, J. ....	331 Tenth.	Poly Heilborn & Co. ....	339 Kearny.
Martens, F. ....	1903 Geary.	Prou, A. ....	De Hara & Eldorado.
Merrill, F. ....	24th and Harrison.	Pisani, J. ....	923 Larkin.
Meyn, H. ....	1550 Folsom.	Parius, H. ....	Pacific and Powell
Muller, C. ....	Cor Wash'gton & Polk	Pfaendler, A. & Co. ....	162 Ninth.
Marquard & McIntyre. ....	Cor Waler & Stanyan	Paul, Wm. ....	Greenwich ave. and Fillmore.
McDermott, James. ....	Batchertown.	Pardi, A. ....	871 Mission, 23rd and Valencia.
Miquen, A. ....	1421 Powell.	Piperling, J. ....	Union and Hyde.
Meyers & Ackman. ....	16 Sacramento.	Pullen & Von Helms. ....	Bush and Baker.
Mayer, M. ....	243 Fifth.	Parenti, E. & Co. ....	133 Sixth.
Mahlstedt, F. ....	322 Folsom.	Pfaeltle, E. H. ....	1803 Haight.
Morgenstern, A. W. ....	546 Third.	Pfaeltle, H. G. ....	1839 Market.
May, F. ....	123 Seventh.	Rath, F. J. ....	613 Post.
Merkelbach, W. ....	12 San Francisco M't	Reigelluth Co. ....	432 Third.
McKeon, Thos. ....	1145 Folsom.	Runde, F. ....	2100 Mission.
Nolthemius, J. ....	1703 Stockton.	Rick, C. H. ....	513 Bryant.
Nowlan, J. ....	497 Haight.	Roth, Blum & Co. ....	California & Front.
Nutting & Co. ....	1 & 2 Cala. Market.	Roberts & Tuft. ....	50 Stuart.
McDonald, W. ....	2929 California.	Rossow, Chas. ....	253 Third.
Mack, F. F. ....	212 Gough.	Roberts, W. F. ....	2817 California.
McGowan, T. ....	531 Geary.		
Miller, Thos. ....	801 Union.		

## LIST OF MARKETS—CONTINUED.

NAME.	ADDRESS.	NAME.	ADDRESS.
Ryan, J. J.....	15th near R. R. ave., S. S. F.	Scully & Drury.....	352 McAllister.
Romaini, C.....	1515 Dupont.	Staiger J. J.....	East and Merchant.
Rosenberg, C.....	529 Clay.	Smith, C. W.....	148 Solano, Potrero.
Rosenberg, M.....	1822½ Howard	Sorenson, S. M.....	1020 Scott.
Rasmusson Bros.....	1320 Rhode Island.	Stolz, P. J.....	126 Eleventh.
Rosenthal, H.....	2925 Mission.	Schuck, E.....	310 Folsom.
Rieper, Jacob.....	28th and Guerrero.	Sylvester, Bros.....	4th & R. R. aves, S.S.F
Rosenberg, G.....	1222 Alabama.	Stolz, Aug.....	1018 Eighteenth.
Smith, J.....	Larkin & O'Farrell.	Solomon, I. L.....	122 27th and 29 San Bruno Road.
Stelling, H. & Bro.....	2766 Mission.	Solomon, S.....	Grand Central M't.
Silverberg, S.....	320 Sansome.	Stutz & Co.....	52 Washington M't.
Stone, Leon & Co.....	236 Sixth.	Strable, R.....	26th and Sanchez.
Smith, W. E.....	605 Montgomery ave.	Sans & Co.....	Union Square Market
Schaefer, W.....	15th ave., bet. L & N, South S. F.	Schmidt & Eggers.....	1-2 Grand Western Market.
Stolz, H. F.....	510 Castro.	Shapiro, S.....	932 Folsom.
Salles, B. & Co.....	610 Montgomery, & Butchertown.	Schmidt, Henry.....	Fillmore & Pixley.
Schoenfeld, J.....	331 Kearny, and Butchertown.	Schrader, J.....	2913 Geary.
Schneider, L.....	2004 Polk.	Strauss, M.....	2676 Twenty-first.
Simi & Co.....	729 Montgomery ave.	Schuldt, Wm.....	1638 Eddy.
Shenson, A.....	957 Folsom.	Schwarz, A.....	Sacramento & Walnut
Strehle, C.....	103 New Montgomery	Schmidt H. F. N. & Co..	1008 Valencia and 2623 Howard.
S.S.F. Pack'g. & Prov. Co.	218-22 Front.	Strubel, Frank.....	San Bruno Road and Silver ave.
Schweitzer, J. & Co.....	519 Clay.	Shrader Bros.....	1342-44 Market.
Schenkel, P.....	623 Baker.	Simi, A.....	624 Front.
Smiddy, E.....	Bryant & Gilbert.	Steinbring, A.....	16th and Market.
Strable, P.....	28th and Church.	Steinbring, W.....	17th and Douglass
Seibel, P.....	59-60 Wash'gton Mkt.	Schoenfeld, H. N.....	937 Folsom.

## LIST OF MARKETS—CONCLUDED.

NAME.	ADDRESS.	NAME.	ADDRESS.
Schulze, J. M. F.....	1103 Center street, Oakland.	Watson, J. N.....	1701 Sutter.
Shelley, H. G.....	Fell and Devisadero.	Wagner, Chas.....	535 Second.
Schnetzler & Fox.....	19 Sixth.	Wutrich, Jno. C., Jr....	940 Dolores.
Stein, L. L.....	1447 Shattuck avenue, Berkeley.	Winters, F. C.....	Sixteenth street.
Taafé & Co.....	4th & Railroad ave.	Wason, J. W.....	703 Brannan.
Tautphaus, P.....	California and Polk.	Wannemacher, R.....	Third and Minna.
Thompson, H. A.....	18 Market.	Wagner, A. P.....	627 Bush.
Tassi, G.....	Fifth and Clementina	Wagner, L. & Co.....	531 Clay.
Tassi & Co.....	1413 Stockton.	Wagner, G.....	536 Clay.
Whitney & Co.....	110-112 Davis.	Wolf, W.....	11 Pacific.
Uri & Co.....	530 Clay.	Waterbury, O.....	135 Gough.
Voecke, C.....	486 Eighth.	Weigner, G.....	19 5 Point Lobos ave.
Vincent, J.....	1023 Guerrero.	Winter Steinhäuser....	822 Jessie.
Vincent, Louis.....	1220 Polk.	Werner, Louis.....	816 Bryant.
Voll, H.....	124 Third.	Winter & Felsing.....	37 Main.
Vermeil, J. L. & Son... .	Union Square M'kt.	Wutrich, J.....	415 Geary.
Voss, H.....	1635 Mission.	Wilfert Bros.....	1398 Market.
Vogel, H.....	Mission Road & Silver avenue.	Wacker & Raab.....	1340 Dupont.
		Wedmeyer, J. H.....	Grove and Laguna.
		Vergna & Cariani.....	517 Broadway.
		Zecker, F.....	1821 Powell.

# LIST OF LAUNDRIES.

LOCATION.	LOCATION.	LOCATION.
Alms-house.	204 Berry street.	211 Ellis street.
104 Austin street.	657 Clay street.	205 Eddy street.
1064 Buchanan street.	628 Commercial street.	143 Eleventh street.
430 Bush street.	14 Commercial street.	1413 Ellis street.
439 Bush street.	10 Central place.	525 East street.
17 Belden street.	321 Chestnut street.	129 Eighth street.
413 Broadway street.	1605 Clay street.	1227 Folsom street.
2210 Bush street.	932 Clay street.	525 Fulton street.
1823 Bush street.	538½ Commercial street.	1007-9 Folsom street.
5 Bourbon place.	621 California street.	2620 Fillmore street.
531 Bush street.	1504 California street.	1623 Fillmore street.
506 Bryant street.	2939 Clay street.	982 Folsom street.
415 Bryant street.	59 Clay street.	777 Folsom street.
30 Bartlett alley.	1330 California street.	812½ Folsom street.
1212 Broadway street.	2409 California street.	441 Fourth street.
1024 Battery street.	1932 Clay street.	409 Fourth street.
8 Broadway street.	2033 California street.	844½ Folsom street.
2609 Bush street.	306 Devisadero street.	872 Folsom street.
2518 Bryant street.	1409 Devisadero street.	418 Fell street.
2110 Bush street.	323 Drumm street.	536 Folsom street.
913 Bush street.	835 Dolores street.	234 First street.
612 Broadway street.	325 Drumm street.	2710 Folsom street.
1540 Bush street.	248 Eleventh street.	2208 Fillmore street.
1538 Bush street.	201 Ellis street.	423 Folsom street.
715 Broadway street.	619 Ellis street.	1617 Fillmore street.
1417 Baker street.	1907 Ellis street.	2212 Folsom street.
2210 Bush street.	1520 Ellis street.	327½ Fourth street.
2409 Bush street.	1415 Ellis street.	517 First avenue.
2410 Bush street.	1907 Ellis street.	314 Fifth avenue.
2507 Bush street.		1153 Folsom street.

## LIST OF LAUNDRIES—CONTINUED.

LOCATION.	LOCATION.	LOCATION.
951 Folsom street.	563 Howard street.	738 Jackson street.
929 Folsom street.	1004 Hyde street.	1022 Kearny street.
327 Fourth street.	703 Harrison street.	5 Langton street.
27 Glasgow street.	413 Haight street.	629 Laguna street.
324 Grant avenue.	1403 Harrison street.	913 Larkin street.
2119 Golden Gate avenue.	986 Howard street.	616 Larkin street.
510 Grant avenue.	707 Howard street.	906 Larkin street.
617 Grove street.	817 Howard street.	1513 Leavenworth street.
1506 Golden Gate avenue.	3 Hubbard street.	13 Lily avenue.
731 Grove street.	667 Howard street.	320 Larkin street.
2412 Geary street.	686 Harrison street.	501 Larkin street.
2604 Geary street.	109 Hayes street.	1710 Larkin street.
223 Golden Gate avenue.	2403 Howard street.	517 Lombard street.
517 Geary street.	2338 Howard street.	1510 Larkin street.
414 Grove street.	306 Jessie street.	907 Larkin street.
407 Geary street.	459 Jessie street.	369 Minna street.
1127 Golden Gate avenue	183 Jessie street.	13 Merchant street.
1605 Geary street.	413 Jones street.	1829 Mission street.
1517 Geary street.	109 Jones street.	1509½ Mission street.
1231 Golden Gate avenue.	463 Jessie street.	922 McAllister street.
819 Geary street.	713 Jackson street.	247 Minna street.
923 Greenwich street.	152 Jackson street.	279 Minna street.
505 Gough street.	816 Jackson street.	208 Minna street.
442 Hayes street.	107 Jackson street.	911 Mission street
1142 Howard street.	2225 Jackson street.	744 Mission street.
1233 Howard street.	1423 Jackson street.	221 Mason street.
25 Harriet street.	916 Jackson street.	1319 Mission street.
910 Howard street.	213 Jackson street.	1509½ Mission street.
750 Howard street.	2829 Jackson street.	1233 Mission street.
	2209 Jackson street.	

## LIST OF LAUNDRIES—CONTINUED.

LOCATION.	LOCATION.	LOCATION.
1138 Mission street.	311 O'Farrell street.	2414 Polk street.
1829 Mission street.	309 O'Farrell street.	1313 Pacific street.
1015 Mission street.	219 O'Farrell street.	904 Pacific street.
1743 Mission street.	619 O'Farrell street.	577 Pacific street.
338 Minna street.	405 Oak street.	324 Pacific street.
47 Minna street.	905 Oak street.	504 Pacific street.
1223 Mason street.	2617 O'Farrell street.	210 Polk street.
3014 Mission street.	633 Olive street.	1115 Pierce street.
2627 Mission street.	506 Post street.	1121 Post street.
2529 Mission street.	521 Pine street.	1610 Post street.
2421 Mission street.	527 Pine street.	2211 Pine street.
2736 Mission street.	518 Pine street.	527 Pine street.
Mariposa and Minnesota.	514 Pine street.	521 Pine street.
318 Main street.	2327 Pine street.	1624 Pacific street.
713 Montgomery street.	2314 Pine street.	1410 Powell street.
1605 Mission street.	2317 Pine street.)	1524 Polk street.
1743 Mission street.)	1753 Polk street.	1354 Pacific street.
2206 Mission street.	1712 Polk street.	2311 Pacific street.
2209 Mission street.	423½ Pine street.	2014 Polk street.
1567 Market street.	2206 Powell street.	904 Pacific street.
2400 Mission street.	530 Pine street.	1616 Post street.
2208 Mission street.	1524 Polk street.	1124 Pine street.
722 McAlister street.	903 Post street.	781 Page street.
1623 Mission street.	619 Post street.	1315 Pine street.
437½ Natoma street.	25 Pacific street.	21 Ridley street.
40 Natoma street.	324 Pacific street.	30 Ridley street.
218 Ninth street.	829 Pacific street.	35 Ridley street.
	738 Pacific street.	713 Railroad avenue.
510 O'Farrell street.	734 Pacific street.	524 Railroad avenue.
412½ O'Farrell street.	2206 Powell street.	158 Stuart street.

## LIST OF LAUNDRIES—CONCLUDED.

LOCATION.	LOCATION.	LOCATION.
335 Sutter street.	2809 Sacramento street.	1306 Turk street.
208 Stockton street.	45 Sacramento street.	1318 Turk street.
43 Seventh street.	1921 Sutter street.	Thirtieth and Dolores streets.
615 Stevenson street.	17 Sanchez street.	625 Turk street.
2916 Sixteenth street.	1021 Stockton street.	914 Twenty-sixth street.
429 Sutter street.	532 Sixth street.	820 Twentieth street.
421 Sutter street.	321 Sutter street.	225 Third street.
267½ Stevenson street.	3134 Sacramento street.	230 Twenty-second street.
2619 Sacramento street.	209 Second street.	335 Tehama street
133 Second street.	416 Sixth street.	148 Third street.
119 Stockton street.	3031 Twenty-second street.	27 Tenth street.
1921 Sutter street.	1318 Turk street.	812 Union street.
829 Sutter street.	1306 Turk street.	1968 Union street.
713 Stockton street.	716 Turk street.	1220 Union street.
814 Stockton street.	637 Turk street.	1803½ Union street.
913 Stockton street.	234 Turk street.	
404 Stockton street.	423½ Turk street.	Valencia and Fourteenth sts.
539 Stevenson street.	210 Tehama street.	1268 Valencia street.
822 Sacramento street.	309 Tehama street.	148 Valencia street.
717 Sutter street.	711 Twenty-second street.	536 Valencia street.
3538 Seventeenth street.	139 Turk street.	715 Vallejo street.
1510 Stockton street.	625 Turk street.	828½ Vallejo street.
2929 Sacramento street.	208 Third street.	536 Valencia street.
3134 Sacramento street.	349 Third street.	532 Valencia street.
2425 Sacramento street.	341 Third street.	715 Vallejo street.
102 Sixth street.	629 Third street.	19 Webb street.
510 Shotwell street.	602 Third street.	1422 Washington street.
2923 Sixteenth street.	1582 Turk street.	1717 Washington street
238 Seventh street.	3564 Twentieth street.	709 Waller street.
276 Shipley street.	204 Townsend street.	21 Washing'on street.



# LIST OF BAKERIES.

NAME.	ADDRESS.	NAME.	ADDRESS.
Adam, R.....	1001 Howard street.	Dush Bros.....	761 Market street.
Altherr, A.....	3599 Seventeenth st.	Breining, E.....	489½ Haight street.
American Biscuit Co.....	Battery & B'dway sts.	Boothby, Mrs.....	223 Leavenworth st.
Axtman, L.....	1124 Harrison street.	Becker & Sanders.....	226 Pacific street.
Anderson, D.....	3208 Sixteenth street.	Bernstein, H.....	Grove & Polk streets.
Beyer, A. ....	943 Valencia street	Becker, C.....	2757 Twenty-fourth st.
Bailly, A.....	818 Montgomery st.	Burmester, A. F.....	1828 Union street.
Bacilli & Co.....	1425 Dupont street.	Coleman, G. W.....	1923 Fillmore street.
Brau, J. B.....	418 O'Farrell street.	City and County Hospital	34th st. & Potrero av.
Beck, R.....	205 Kearny street.	Cordano & Co., B. G.....	168-110 Third street.
Bantel, C.....	427 Larkin street.	Callopy, J.....	853 Bryant street.
Blaes, J. ....	2993 Folsom street.	Calegari & Co., F. ....	427½ Union street.
Buttner, H. ....	120 Third street.	Cuneo, Bros.....	511 Green street.
Bartlett, J.....	413 Third street.	Christ & Frahm.....	449 O'Farrell street.
Bernstein, H.....	1123 Howard street.	Clarke, Chas.....	612 Kearny street.
Baker, C. ....	3110 Sixteenth street.	Cordsen & Gerdes.....	1121 Polk street.
Boyle, J.....	3033½ Sixteenth street.	Cook, Mrs. N.....	614½ Post street
Banford, J.....	1914 Howard street.	Creamerie .....	725 Market street.
Bryant, Mrs.....	715 Polk street.	California street Paste Co.	956 Bryant street.
Breitwieser, J.....	1708 Guerrero street.	Cer Vieres, M.....	1022 Railroad avenue.
Bartscher, P.....	1045 Valencia street.	Dellwig, T.....	1912 Polk street.
Beyer, E.....	1519 Devisadero st.	Derdrich, If.....	2206 Bush street.
Bopp, L.....	3111 Fillmore street.	Daley & Davitt.....	116 Ninth street.
Breuss, A.....	517 Montgomery st.	Daley & Davitt.....	120 Sixth street.
Bimmerle.....	3159 22d street.	Daley & Davitt.....	498 Hayes street.
Behrman, J.....	1817 Powell street.	Daley & Davitt.....	1709 Devisadero st.
Bordenave, P.....	2119 Taylor street.	Davis, W. J.....	22 Second street.
Boudin, Mrs. L.....	815 Broadway street.	Dieckmann, F.....	215 Second street.
Buss & Leibrecht.....	425 Ellis street.	Delfino, G.....	109 Third street.
Becker, L.....	244 Fifth street.	Drasdo, P.....	112 Grant avenue.

## LIST OF BAKERIES—CONTINUED.

NAME.	ADDRESS.	NAME.	ADDRESS.
Doelger, J.....	1321 Mason street.	Gunn, P.....	7839 Twenty-fourth st.
Daley, Mrs.....	1134 Folsom street.	Guilliam & Comte .....	819 Sansome street.
Epmorieum Cafe Co.....	Parrot building.	Giles & Baumliester.....	1036 Clay street.
Eggeling H.....	1539 Fulton street.	Hettler, J.....	123 Taylor street.
Eclipse Cracker Co.....	1414 Dupont street.	Hagemann, Ph.....	1657 Howard street
Eppler, J.....	2836-8 California st.	Hess & Marshall.....	527 Mission street.
English, John.....	533 Hayes street.	Heinz, C.....	1419 Stockton street.
Eubner, F.....	Mason & Grinwh sts.	Hageman, C.....	1500 Powell street.
Eberitzsch, O.....	310 Fifth street.	Hansen, H.....	714 Valencia street.
Flood, J.....	143 Third street.	Haub Bros.....	17-19 Powell street.
Favillo, L.....	1518 Stockton street.	Huegle, R.....	198 Hayes street.
Forsberg, A.....	1606 Folsom street.	Hack, C.....	248 Oak street.
Feyhl, J.....	1111 Market street.	Helkenberg, O.....	1205 Polk street.
Fieckiesen, F. W.....	160 Franklin street.	Huber, A.....	1308 Polk street.
Forbes, K. M.....	2133 Fillmore street.	Hinz, Jos.....	1509 Polk street.
Farnlocher, A.....	655 Capp ssreet.	Hinz, Jos.....	1927 Fillmore street.
Friedman & Wolf.....	49 Fulton street.	Huillade, A.....	1716 Fifteenth av.
Foley, M.....	118 Seventh street.	Hahn, W.....	524 Clement avenue.
Franchini, B.....	612 Francisco street.	Heitmiller, H.....	192 Eighth street.
Gall, G.....	25 Fourth street.	Hummelstoss, G.....	1768 Church street.
Grossmann, F. H.....	528 Fourth street.	Helkenberg, O.....	1837 O'Farrell street.
Grueinger, B.....	513 Sixth street.	Harold, G.....	232 Mission street.
Guinasso, F. T.....	1707 Dupont street.	Haugard, Chas.....	1535 Post street.
Gilson, H.....	1906 Mission street.	Heyden.....	610 Broadway street.
Ghisla, F.....	714 Union street.	Homeyer, W. G.....	142 Eleventh street.
Guillet, Chas.....	205 Larkin street.	Iba, F.....	252 Mission street.
Guenther, Chas.....	776 Folsom street.	Johnston, J. A.....	1829 Polk street.
Goetz, J.....	1162 Guerrero street.	Jaenicke, Mrs. C.....	1913 Hyde street.
Gaueh, A.....	913 Buchanan street.	Johnson & Co.....	988 Folsom street.
Goetjen, J.....	1510 Hyde street.	Koch, Chas.....	2125 Mason street.

## LIST OF BAKERIES—CONTINUED.

NAME.	ADDRESS.	NAME.	ADDRESS.
Keany, Wm.....	1553 Market street.	Motzer, C.....	1713 Leavenworth st.
Knudson, J. B.....	230 Dorland street.	Mattucci & Co.....	413 Francisco street.
Kohn, S....	132 Fourth street.	Marston & Cardall.....	865 Market street.
Kunz, F.....	944½ Harrison street.	Mueller, G.....	11th & Mission sts.
Kohn, John.....	331 Fourth street.	Moegling, Wm.....	2658 Market street.
Komsthoft, A.....	108 Ninth street.	Mueller, A.....	3886 Seventeenth st.
Klass, M.....	1233 Stockton street.	Mazone, A. ....	9 Jansen street.
Kindblad, G. H....	1218 Powell street.	Mayer, C. F....	1224 Railroad avenue.
Kuhn, F.....	3464 Eighteenth st.	Mock, C. H.....	310 Hayes street.
Keterer, F.....	3381 Mission street.	Maggart, S. I.....	613 Post street. ®
Laxtapia, J.....	327 Montgomery av.	McDevitt, E....	504 Minna street.
Langdorf & Shanson.....	1218½ Folsom street.	McGlynn, Mrs.....	444 Hayes street.
Lemmerman, H.....	425 Fourth street.	Nunzrato, L.....	415 Broadway street.
Lerner, J.....	125 Fifth street.	Norton, M. C....	1003 Guerrero street.
Langendorf, B.....	943 Folsom street.	Olsen, P.....	1667 Mission street.
Lame, J.....	156 Tehama street.	Oliver Bros.....	3507 Mission street.
Lahore & Mazone.....	1223 Stockton street.	Peterson, L.....	505 Fourth street.
Laub, F.....	3577 Twentieth st	Prost, N.....	336 Third street.
Lucchesi & Bros., C.....	323 Broadway street.	Prost & Stern .....	344 Sixth street.
Larsen, C. G.....	16-18 Eddy street.	Paganini, S.....	1413 Dupont street.
Lanzer, J.....	115 Oak street.	Penua, J.....	1324 Dupont street.
Lass, Chas.....	2007 Hyde street.	Page & Falch. . . . .	Turk and Mason sts.
Laine, L.....	412 Church street.	Poehman, W.....	401 Post street.
Loeber, J. H.....	3023 Sacramento st.	Pepper, Mrs.....	1019 Valencia street.
Mueller, C. A.....	1711 Mission street.	Pharion, F. M.....	634 Grove street.
Massone & Co., A. ....	1339 Dupont street.	Peterson, J.....	2439 California street
Majorrossy & Co.....	1013 Larkin street.	Petri, A. . . . .	217 Francisco street.
Maggarts, E. F.....	727 Larkin street.	Priest, L. A.....	1003 Powell street.
Mesenburg, H.....	324½ Hayes street.	Palace Hotel.....	Market street.
Merth, A.....	40 Seventh street.	Pale, J.....	911 Pacific street.

## LIST OF BAKERIES—CONTINUED.

NAME.	ADDRESS.	NAME.	ADDRESS.
Reagan, J.....	59 Third street.	Schabiague, M.....	116 Trenton street.
Rutz, G.....	38 Fourth street.	Simkins & Thorp.....	116 Erie street.
Rutz, G.....	836 Valencia street.	Schabiague, A. & P.....	810 Greenwich street.
Renz, J.....	200 Eleventh street.	Saugenetti, G.....	824 Montgomery st.
Razzetto & Urbani.....	1407 Dupont street.	Swalve, W. H.....	1508 Church street.
Richert, C.....	304 Montgomery av.	Straub, F.....	350 Duncan street.
Ruediger & Co., J.....	107 Larkin street.	Smithurst, Miss A.....	1217 Valencia street.
Renss & Bros., C.....	1564 Turk street.	Swain Bros.....	213 Sutter street.
Rutlleux, L.....	109 Powell street.	Scheerin & Son.....	544 Clay street.
Rosencrantz, M.....	433 Sixth street.	Schafer, E.....	621 Montgomery st.
Rush, T.....	1040 McAllister st.	Schreen & Cordsen.....	2025 Twenty-fourth st.
Rehage, E.....	3160 Twenty fourth st	Salzmunn, J.....	139 Broad street.
Siemon & Riess.....	357 Turk street.	Tamony, J.....	1317 Folsom street.
Sosso, Mrs. T.....	1325 Dupont street.	Thorp & Co., J. W.....	504 Post street.
Schoening & Morken.....	639 Broadway street.	Tschirch, W.....	5701 Sutter street.
Siebrecht, F.....	416 Kearny street.	Webber, Wm.....	26 Sixth street.
Schroth & Westernfeld.....	228 Kearny street.	Wiedmann, A.....	1924 Howard street.
Stitz, Wm.....	226 Third street.	Willenbrink.....	911 Larkin street.
Searle, E.....	223 Sixth street.	Westernfeld, W.....	1035 Market street.
Spannagel E.....	125 Seventh street.	Wagner.....	2129 Mission street.
Stein, R.....	1139 Folsom street.	Williams, Mrs. R.....	402 Devisadero st.
Strohmaier, C.....	418 Brannan street.	Wilson & Drucker.....	114-120 Post street.
Schulz, E. G.....	Mason & Union sts.	Winkle, H. & W.....	Battery & Vallejo sts.
Schwaarcke, O.....	508 Hayes street.	Wagner & Loverd.....	2509 Twenty third st.
Schmitt, Mrs. C.....	902 Dolores street.	Wucherer, G.....	2650 Twenty first st.
Schlichtmann, J.....	615 McAllister street.	Welber, J.....	124 Sadowa street.
Schutten, J.....	1002 Geary street.	Weif & Eubner.....	133 O'Farrell street.
Smalley, Mrs.....	209 Jones street.	Vielhauer, F.....	221 Fourth street.
Sauer, Geo.....	1316 Pacific street.	Valente, L.....	211 Broadway street.
Stagg, D.....	1503 Geary street	Victor, S.....	1225 Webster street.

## LIST OF BAKERIES—CONCLUDED.

NAME.	ADDRESS.	NAME.	ADDRESS.
Young, J.....	326 Broadway street.	Bakery Closed.....	137 Fourth street.
Zaun, H.....	615 McAllister street.	Bakery Closed.....	49 Second street.
Zoller & Merkel.....	314 Devisadero street.	Bakery Closed.....	1126 Dupont street.
Bakery Closed.....	449 Third street.	Bakery Closed.....	400 Pacific street.
Bakery Closed.....	515 Third street.	Bakery Closed.....	2981 Twenty-sixth st.
Bakery Closed.....	43 Fourth street.	Bakery Closed.....	3929 Twenty-sixth st.
		Bakery Closed.....	436½ Union street.

## FOOD INSPECTOR'S REPORT.

## SAMPLES OF FOOD COLLECTED TO JUNE 30, 1897.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1896.				
* 1	December 7.....	The Emporium.....	Parrot Building, Market street.....	Tomato catsup.....	\$.15
* 2	December 7.....	W. B. Chaff & Co.....	17 Sixth street.....	Tomato catsup.....	.10
* 3	December 9.....	Smith's Cash Store.....	414 Front street.....	Tomato catsup.....	.15
4	December 9.....	James Missum.....	221 Grant avenue.....	Tomato catsup.....	..
* 5	December 14.....	Levin Bros.....	1324 Market street.....	Tomato catsup.....	.15
* 6	December 14.....	Wm. Cline.....	949 Market street.....	Tomato catsup.....	.25
* 7	December 14.....	Jacobson & Christie.....	310 Sixth street.....	Tomato catsup.....	.25
* 8	December 14.....	W. F. Harris & Co.....	90 Ninth street.....	Tomato catsup.....	.20
* 9	December 14.....	Ans. D. Mahler.....	S. W. cor. Mission and Twelfth streets.....	Tomato catsup.....	.10
* 10	December 14.....	Bruns Bros.....	Mission and Sixteenth streets.....	Tomato catsup.....	.25
* 11	December 14.....	H. Segeken.....	1601 Howard street.....	Tomato catsup.....	.10
* 12	December 14.....	F. W. Kiechers.....	601 Larkin street.....	Tomato catsup.....	.30
* 13	December 14.....	H. A. Schultze.....	S. E. corner Turk and Polk streets.....	Tomato catsup.....	.15
* 14	December 21.....	A. Matchke.....	1201 Fillmore street.....	Tomato catsup.....	.10

Analyzed.

SAMPLES OF FOOD COLLECTED—CONTINUED.

REPORT OF BUREAU OF FOOD INSPECTION.

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No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
*15	1896. December 21.....	Stulz Bros.....	1831 Fillmore street.....	Tomato catsup.....	\$9.20
*16	December 21.....	L. M. Walters.....	2815 California street.....	Tomato catsup.....	.30
*17	December 21.....	M. D. Meyer & Co.....	1423 Devisadero street.....	Tomato catsup.....	.15
*18	December 21.....	Henry Ohrt.....	Grove and Devisadero streets.....	Tomato catsup.....	.10
*19	December 21.....	H. C. Mueller.....	N. E. cor. Waller and Fillmore streets.....	Tomato catsup.....	.15
*20	December 21.....	J. H. Eiben.....	S. W. cor. Seventeenth & Delorus sts.....	Tomato catsup.....	.20
*21	December 21.....	Irvine Bros.....	1421 Stockton street.....	Tomato catsup.....	.15
*22	December 21.....	Geo. Hansen.....	N. W. cor. Dupont and Filbert streets.....	Tomato catsup.....	.10
*23	December 21.....	Fabian Bros.....	1701 Stockton street.....	Tomato catsup.....	.15
*24	December 21.....	C. Domenchini.....	1501 Powell street.....	Tomato catsup.....	.15
*25	December 21.....	Henry B. Rohde.....	1228 Stockton street.....	Tomato catsup.....	.10
*26	December 28.....	Pacific Marine Supply Co.....	206 California street.....	Tomato catsup.....	.....
*27	December 28.....	Man, Sadler & Co.....	122 Market street.....	Vinegar.....	.....
*28	1897. January 5.....	Cluff Bros.....	911 Montgomery avenue.....	Currant jelly.....	.10
*29	January 5.....	Bibo, Neuman & Idenberg.....	S. W. cor. Polk and California streets.....	Evaporated milk.....	.15
*30	January 5.....	Bibo, Neuman & Idenberg.....	S. W. cor. Polk and California streets.....	Honey.....	.20
*31	January 5.....	Euporium.....	Parrot Building, Market street.....	Condensed milk.....	.10
*32	January 5.....	Euporium.....	Parrot Building, Market street.....	Honey.....	.10

▲ Analyzed.

## HEALTH OFFICER'S REPORT.

## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*33	January 5.	Montgomery & Co.	31 Sixth street.	Honey	\$0.15
*34	January 5.	Montgomery & Co.	31 Sixth street.	Evaporated cream.	.15
*35	January 5.	F. Kaufman.	Fifth and Mission streets.	Condensed milk.	.10
*36	January 5.	F. Kaufman.	Fifth and Mission streets.	Honey	.10
*37	January 5.	Goldberg, Bowen & Co.	432 Pine street.	Condensed milk.	.15
*38	January 5.	Goldberg, Bowen & Co.	432 Pine street.	Honey.	.15
*39	January 5.	Goldberg, Bowen & Co.	432 Pine street.	Tomato catsup.	.15
*40	January 5.	A. Quade.	635 Market street.	Evaporated cream.	.10
*41	January 5.	A. Quade.	635 Market street.	Honey	.15
*42	January 5.	South End Piddle Works.	422 Fifth street.	Tomato catsup.	.....
*43	January 5.	Rathjen Bros.	21 Stockton street.	Honey	.15
*44	January 5.	Rathjen Bros.	21 Stockton street.	Concentrated cream.	.10
*45	January 6.	H. Levi & Co.	117 Market street.	Tea	.....
*46	January 6.	Goldberg, Bowen & Co.	432 Pine street.	Sherry wine.	.....
*47	January 6.	Goldberg, Bowen & Co.	432 Pine street.	Claret wine.	.....
*48	January 6.	R. G. Sueath.	San Bruno.	Milk	.....
*49	January 7.	Smith's Cash Store.	27 Market street.	Quince jelly	.16
*50	January 7.	Smith's Cash Store.	27 Market street.	Honey	.25

\* Analyzed.



## REPORT OF BUREAU OF FOOD INSPECTION.

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## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*51	January 7.	Smith's Cash Store.	27 Market street.	Evaporated cream.	80.11
52	January 7.	Wood & Williams.	1292 Battery street.	Worcestershire sauce.	.15
*53	January 7.	Chris Nuhrenberg.	Union and Buchanan streets.	Honey.	.20
*54	January 7.	Chris N. Nuhrenberg.	Union and Buchanan streets.	Condensed milk.	.15
*55	January 7.	Kemp & Beausston.	Fillmore and Sutter streets.	Honey.	.10
*56	January 7.	A. A. Bruner.	N. W. cor. California and Polk streets.	Honey.	.15
*57	January 7.	A. A. Bruner.	N. W. cor. California and Polk streets.	Condensed milk.	.10
*58	January 7.	H. Schroeder & Co.	2420 California street.	Honey.	.10
*59	January 7.	L. M. Walter.	2815 California street.	Honey.	.10
*60	January 11.	Pacific Marine Supply Co.	205 California street.	Sugar.	
*61	January 11.	Pacific Marine Supply Co.	205 California street.	Sugar.	
*62	January 12.	Mrs. McGlynn.	414 Hayes street.	Milk.	
*63	January 12.	L. Aschwanden.	503 1/2 Hayes street.	Milk.	
*64	January 12.	P. M. Ruffs.	691 Hayes street.	Milk.	
*65	January 12.	J. English.	533 Hayes street.	Milk.	
*66	January 12.	Peter Olsen.	591 Fell street.	Milk.	
*67	January 12.	H. Mathies.	532 Hayes street.	Milk.	
*68	January 12.	J. Furrer.	Mission Road.	Milk.	

\*Analyzed.

## HEALTH OFFICER'S REPORT.

## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*69	January 12	Mrs. Seichspitue	511 Laguna street.	Milk	
*70	January 12	Miss C. Johnson	433 Hayes street.	Milk	
*71	January 12	A. Peterson	428 Hayes street.	Milk	
72	January 11	Pacific Marine Supply Co.	206 California street.	Coffee	
73	January 14	Pacific Marine Supply Co.	206 California street.	Tea	
*74	January 14	Pacific Marine Supply Co.	206 California street.	Sugar	
*75	January 14	Pacific Marine Supply Co.	206 California street.	Sugar	
76	January 14	Pacific Marine Supply Co.	206 California street.	Tea	
*77	January 14	Submitted by A. L. Harries.	Grove and Laguna streets.	Sugar.	
*78	January 19	Submitted by Mrs. S. Isaac.	621 Bush street.	Raspberry syrup.	
*79	January 21	Wm. Cline & Co.	949 Market street.	Raspberry syrup.	\$8.40
*80	January 21	Wm. Cline & Co.	949 Market street.	Condensed milk.	.10
*81	January 21	Martin Fustier & Co.	309 Clay street.	Currant jelly.	.90
*82	January 21	C. F. Whitney & Co.	119 Davis street.	Currant jelly.	1.35
*83	January 21	M. Getz.	111 California street.	Currant jelly.	1.00
*84	January 21	Pacific Coast Syrup Co.	713 Sansome street.	Strawberry jelly.	.90
*85	January 21	Daymen's Union.	113 Davis street.	Currant jelly.	1.20
*86	January 21	Harter, Hayes & Co.	216 Front street.	Currant jelly.	1.35

\* Analyzed.

## REPORT OF BUREAU OF FOOD INSPECTION.

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## SAMPLES OF FOOD COLLECTED—CONTINUED.

NO.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*87	January 21.....	Smith's Cash Store.	27 Market street.....	Condensed milk.....	\$0.18
*88	January 21.....	Smith's Cash Store.	27 Market street.....	Condensed milk.....	.10
*89	January 21.....	Smith's Cash Store	27 Market street.....	Sterilized cream.....	.10
*90	January 30.....	Submitted by City and County Hospital.	San Francisco.....	Claret wine.....	.....
*91	February 2.....	Submitted by City and County Hospital.	San Francisco.....	Tomato catsup.....	.....
92	February 2.....	Submitted by City and County Hospital.	San Francisco.....	Worcestershire sauce.....	.....
*93	February 2.....	Submitted by City and County Hospital.	San Francisco.....	Taploca.....	.....
*94	February 2.....	Submitted by City and County Hospital.	San Francisco.....	Starch.....	.....
*95	February 2.....	Submitted by City and County Hospital.	San Francisco.....	Sago.....	.....
*96	February 10.....	Rathjen Bros.....	21 Stockton street.....	Strawberry jelly.....	.15
*97	February 10.....	Rathjen Bros.....	21 Stockton street.....	Currant jelly.....	.15
*98	February 13.....	Wm. Cline & Co.....	949 Market street.....	Strawberry jelly.....	.10
*99	February 13.....	Wm. Cline & Co.....	949 Market street.....	Currant jelly.....	.25
*100	February 13.....	Wm. Cline & Co.....	949 Market street.....	Raspberry jam.....	.20
*101	February 13.....	Emporium.....	Parrot Building, Market street.....	Strawberry jelly.....	.13
*102	February 13.....	Emporium.....	Parrot Building, Market street.....	Raspberry preserves.....	.12
*103	February 13.....	Emporium.....	Parrot Building, Market street.....	Currant jelly.....	.10
*104	February 13.....	A. Quade & Co.....	638 Market street.....	Currant jelly.....	.25

\*Analyzed.

## HEALTH OFFICER'S REPORT.

## SAMPLES OF FOOD COLLECTED—Continued.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*105	February 13.	A. Quade & Co.	636 Market street.	Currant jelly.	80.25
*106	February 13.	A. Quade & Co.	636 Market street.	Lemon jelly.	.25
*107	February 13.	A. Quade & Co.	636 Market street.	Guava jelly.	.20
*108	February 13.	Smith's Cash Store.	27 Market street.	Grape jelly.	.10
*109	February 13.	Smith's Cash Store.	27 Market street.	Currant jelly.	.20
*110	February 13.	Goldberg, Bowen & Co.	426 Pine street.	Currant jelly.	.50
*111	February 13.	Goldberg, Bowen & Co.	426 Pine street.	Currant jelly.	.25
*112	February 13.	Goldberg, Bowen & Co.	426 Pine street.	Currant jelly.	.20
*113	February 13.	Goldberg, Bowen & Co.	426 Pine street.	Currant jelly.	.30
*114	February 13.	John Fischer	112 Third street.	Raspberry jelly.	.20
*115	February 13.	Montgomery & Co.	120 Third street.	Raspberry jelly.	.15
*116	February 13.	M. De Witt & Co.	221 Third street.	Raspberry jelly.	.15
*117	February 13.	Elliot Bros.	592 Third street.	Currant jelly.	.15
*118	February 13.	John H. Nolan	348 Third street.	Currant jelly.	.15
*119	February 13.	Kavanaugh & Co.	402 Third street.	Currant jelly.	.15
*120	February 13.	Kavanaugh & Co.	402 Third street.	Strawberry jelly.	.10
*121	February 13.	Kavanaugh & Co.	402 Third street.	Blackberry jelly.	.10
*122	February 13.	Kavanaugh & Co.	402 Third street.	Raspberry jelly.	.10

\* Analyzed.

## BUREAU OF FOOD INSPECTION REPORT.

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## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*123	February 13.....	Milbrae Co.....	Ninth and Mission streets.....	Condensed milk.....	\$9.19
*124	February 17.....	A. Quade & Co.....	636 Market street.....	Marmalade.....	.25
*125	February 17.....	A. Quade & Co.....	636 Market street.....	Marmalade.....	.25
*125	February 17.....	Shabbaro & Co.....	531 Washington street.....	Strawberry jelly.....	.10
*127	February 17.....	Shabbaro & Co.....	531 Washington street.....	Plum jelly.....	.10
*128	February 17.....	Shabbaro & Co.....	531 Washington street.....	Currant preserves.....	.10
*129	February 17.....	Cluff Bros.....	941 Montgomery avenue.....	Raspberry jelly.....	.10
*130	February 17.....	Henry Stelling.....	Vallejo and Stockton streets.....	Raspberry jelly.....	.10
*131	February 17.....	Reich & Wolf.....	1425 Powell street.....	Lemon jelly.....	.10
*132	February 17.....	Reich & Wolf.....	1423 Powell street.....	Lemon jelly.....	.15
*133	February 17.....	Faust E. Mascherini.....	718 Greenwich street.....	Orange jelly.....	.15
*134	February 17.....	F. Meechi & Co.....	733 Montgomery avenue.....	Raspberry marmalade.....	.10
*135	February 17.....	F. Meechi & Co.....	733 Montgomery avenue.....	Currant jelly.....	.10
*136	February 17.....	Stulz Bros.....	529 Montgomery avenue.....	Currant jelly.....	.13
*137	February 17.....	Stulz Bros.....	529 Montgomery avenue.....	Raspberry preserves.....	.12
*138	February 17.....	Irvine Bros.....	1421 Stockton street.....	Strawberry jelly.....	.15
*139	February 17.....	Irvine Bros.....	1421 Stockton street.....	Currant jelly.....	.10
*140	February 17.....	Irvine Bros.....	1421 Stockton street.....	Quince jelly.....	.10

\* Analyzed.

## HEALTH OFFICER'S REPORT.

## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*141	February 17.....	Bear & Buckley.....	131 Stockton street.....	Raspberry jelly.....	\$0.15
*142	February 17.....	Meyer & Kohn.....	105 Stockton street.....	Raspberry jelly.....	.25
*143	February 17.....	Meyer & Kohn.....	105 Stockton street.....	Blackberry marmalade.....	.10
*144	February 17.....	Maas Packing Co.....	1424 Valencia street.....	Tomato catsup.....	.....
145	February 17.....	Maas Packing Co.....	1424 Valencia street.....	Tomato catsup.....	.40
*146	February 26.....	Dick Von der Mehden.....	Fourth and Mission streets.....	Currant jelly.....	.10
*147	February 26.....	Dick Von der Mehden.....	Fourth and Mission streets.....	Raspberry jelly.....	.15
*148	February 26.....	Co-operative Temperance Grocery.....	123 Fourth street.....	Orange marmalade.....	.20
*149	February 26.....	Co-operative Temperance Grocery.....	122 Fourth street.....	Raspberry jelly.....	.10
*150	February 26.....	F. C. Kaufman.....	250 Fourth street.....	Raspberry jelly.....	.10
*151	February 26.....	F. C. Kaufman.....	223 Fourth street.....	Blackberry jelly.....	.10
*152	February 26.....	John Dyer.....	244 Fourth street.....	Strawberry jelly.....	.10
*153	February 26.....	John Dyer.....	244 Fourth street.....	Blackberry jelly.....	.10
*154	February 26.....	T. J. Norton.....	337 Fourth street.....	Currant jelly.....	.15
*155	February 26.....	M. A. Marron.....	334 Fourth street.....	Raspberry jelly.....	.15
*156	February 26.....	Lunsman Bros.....	Fourth and Harrison streets.....	Strawberry jelly.....	.20
*157	February 26.....	Lunsman Bros.....	Fourth and Harrison streets.....	Currant jam.....	.20
*158	February 26.....	Lunsman Bros.....	Fourth and Harrison streets.....	Blackberry jelly.....	.10

\* Analyzed.

## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*159	February 26.....	Geo. Schomaker.....	Fourth and Bryant streets.....	Currant jelly.....	\$0.10
*160	February 26.....	Geo. Schomaker.....	Fourth and Bryant streets.....	Currant jelly.....	.20
*161	February 26.....	H. Inselmann.....	433 Third street.....	Red currant jam.....	.20
*162	February 26.....	C. G. Meyer.....	Third and Bryant streets.....	Currant jelly.....	.20
*163	February 26.....	G. Wilkins & Co.....	S. W. cor. Third and Brannan streets..	Currant jelly.....	.10
*164	February 26.....	G. Wilkins & Co.....	S. W. cor. Third and Brannan streets..	Currant jelly.....	.20
*165	February 26.....	Sturkens & Hollings.....	N W. cor. Third and Brannan streets..	Quince jelly.....	.10
*166	February 26.....	Wm. Beckman.....	458 Sixth street.....	Raspberry jelly.....	.10
*167	February 26.....	T. B. Cusack.....	S. W. cor. Brannan and Harriet streets.	Blackberry jelly.....	.20
*168	February 26.....	Henry Harize.....	731 Brannan street.....	Lenon jelly.....	.20
*169	February 26.....	Salomon Bros.....	396 Sixth street.....	Currant jelly.....	.15
*170	February 26.....	Salomon Bros.....	396 Sixth street.....	Orange jelly.....	.10
*171	February 26.....	Johnson Bros.....	318 Sixth street.....	Currant jelly.....	.20
*172	February 26.....	Johnson Bros.....	318 Sixth street.....	Currant jelly.....	.10
*173	February 26.....	Johnson Bros.....	318 Sixth street.....	Raspberry jelly.....	.10
*174	February 26.....	Jacobson & Christie.....	310 Sixth street.....	Currant jelly.....	.10
*175	February 26.....	H. Wolf & Bro. successors to Levin Bros.	1221 Market street.....	Apple jelly.....	.13
*176	February 26.....	H. Wolf & Bro. successors to Levin Bros.	1224 Market street.....	Strawberry jelly.....	.12

\*Analyzed.

## HEALTH OFFICER'S REPORT.

## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*177	February 26.....	The Morton Co.—Auctioneers.....	106 Pine street.....	Currant jelly.....	.....
*178	February 26.....	The Morton Co.—Auctioneers.....	106 Pine street.....	Currant jelly.....	.....
*179	February 26.....	The Morton Co.—Auctioneers.....	106 Pine street.....	Strawberry jam.....	.....
*180	February 26.....	The Morton Co.—Auctioneers.....	106 Pine street.....	Raspberry jam.....	.....
*181	February 26.....	The Morton Co.—Auctioneers.....	106 Pine street.....	Currant jam.....	.....
*182	February 26.....	The Morton Co.—Auctioneers.....	106 Pine street.....	Syrup.....	.....
*183	March 1.....	I. W. Lees, Chief Detective.....	San Francisco.....	Twist bread.....	.....
*184	March 3.....	Zeh & Schetter.....	Van Ness avenue and Fulton street ..	Paskola.....	\$0.40
*185	March 6.....	Submitted by City and County Hospital.....	San Francisco.....	Milk.....	.....
*186	March 6.....	Submitted by City and County Hospital.....	San Francisco.....	Cream.....	.....
*187	March 9.....	Submitted by City and County Hospital.....	San Francisco.....	Milk.....	.....
*188	March 9.....	Submitted by City and County Hospital.....	San Francisco.....	Milk.....	.....
*189	March 9.....	Pendergast & Murphy.....	216 Van Ness avenue.....	Condensed milk.....	.10
*190	March 9.....	Manufacturers' and Producers' Association.....	San Francisco.....	Condensed milk.....	.....
*191	March 12.....	Lincoln Bros.....	222 Sixth street.....	Condensed milk.....	.13
*192	March 12.....	Lincoln Bros.....	222 Sixth street.....	Condensed milk.....	.12
193	March 12.....	Lincoln Bros.....	222 Sixth street.....	Condensed milk.....	.05
*194	March 13.....	Manufacturers' and Producers' Association.....	San Francisco.....	Condensed milk.....	.....

\* Analyzed.



## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
195	March 17.....	Submitted by George S. Fife.....	1101 California street.....	Water ..	.....
196	March 17.....	S. L. Jones & Co.....	205 California street.....	Tea.....	.....
197	March 17.....	S. L. Jones & Co.....	205 California street.....	Tea.....	.....
198	March 17.....	S. L. Jones & Co.....	205 California street.....	Tea.....	.....
199	March 17.....	S. L. Jones & Co.....	205 California street.....	Tea.....	.....
200	March 17.....	S. L. Jones & Co.....	205 California street.....	Tea.....	.....
201	March 17.....	S. L. Jones & Co.....	205 California street.....	Tea.....	.....
202	March 17.....	S. L. Jones & Co.....	205 California street.....	Tea.....	.....
203	March 17.....	S. L. Jones & Co.....	205 California street.....	Tea.....	.....
204	March 23.....	Submitted by James Miller.....	9 Clyde street.....	Water.....	.....
*205	March 24.....	Submitted by C. G. Tredell.....	1222 Howard street.....	Strawberry jelly.....	.....
206	March 25.....	Submitted by Otto Makowsky.....	617 York street.....	Milk.....	.....
*207	March 30.....	City and County Hospital.....	San Francisco.....	Currant jelly.....	.....
208	March 31.....	House of Correction.....	San Francisco.....	Preserves.....	.....
209	March 31.....	House of Correction.....	San Francisco.....	Vanilla extract.....	.....
210	March 31.....	House of Correction.....	San Francisco.....	Tea.....	.....
211	March 31.....	House of Correction.....	San Francisco.....	Coffee.....	.....
*212	March 31.....	J. A. Lansberger & Bro.....	3 California street.....	Catsup.....	.....

\* Analyzed

## HEALTH OFFICER'S REPORT.

## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
	1897.				
*213	April 6.....	Bibo, Newman & Ikenberg.....	S. W. cor. Polk and California streets.	Currant jelly.....	\$0.20
*214	April 6.....	Bibo, Newman & Ikenberg.....	S. W. cor. Polk and California streets.	Raspberry syrup.....	.50
215	April 15.....	Purchased by Prof. Wenzell.....	For Comparative Test.....	Apple jelly.....	.....
216	April 15.....	City and County Hospital.....	San Francisco.....	Currant jelly.....	.....
217	April 15.....	City and County Hospital.....	San Francisco.....	Currant jelly.....	.....
218	April 15.....	John Doe (Complaint).....	San Francisco.....	Steamed honey.....	.....
*219	April 15.....	Submitted by O'Connor Bros.....	122 Ninth street.....	Steamed honey.....	.....
*220	April 15.....	City and County Hospital.....	San Francisco.....	Canned corn.....	.....
221	May 7.....	Smith's Cash Store.....	27 Market street.....	Olive oil.....	.60
222	May 7.....	Emporium.....	Parrot Building, Market street.....	Olive oil.....	.35
223	May 7.....	Emporium.....	Parrot Building, Market street.....	Olive oil.....	.15
224	May 7.....	Horwitz & Cohn.....	1716 Market street.....	Olive oil.....	.25
225	May 7.....	R. Baldoni.....	Washington and Fillmore streets.....	Olive oil.....	.60
*226	April 21.....	Submitted by Mrs. A. Gerlach.....	1331 Golden Gate avenue.....	Well water.....	.....
227	May 11.....	Submitted by Charles Gerard.....	402 Golden Gate avenue.....	Milk.....	.....
228	May 20.....	Submitted by Officer Anderson.....	San Francisco.....	Bread.....	.....
229	May 24.....	Submitted by Inspector L. F. Long.....	San Francisco.....	Well water.....	.....
230	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....

\* Analyzed.

## REPORT OF BUREAU OF FOOD INSPECTION.

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## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
231	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....
232	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....
233	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....
234	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....
235	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....
236	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....
237	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....
238	May 24.....	Elwood Cooper.....	Santa Barbara, California.....	Olive oil.....	.....
239	May 28.....	Goldberg, Bowen & Co.....	425 Pine street.....	Black currant jelly.....	\$0.40
240	May 28.....	Goldberg, Bowen & Co.....	425 Pine street.....	Red currant jelly.....	.30
241	May 28.....	Goldberg, Bowen & Co.....	425 Pine street.....	Red currant jelly.....	.25
242	May 28.....	Goldberg, Bowen & Co.....	425 Pine street.....	Red currant jelly.....	.....
*243	May 29.....	Miss Hutchison.....	725 Pine street.....	Milk.....	.....
*244	May 29.....	Miss Hutchison.....	725 Pine street.....	Oat meal.....	.....
*245	May 29.....	Miss Hutchison.....	725 Pine street.....	Baking Powder.....	.....
*246	May 31.....	Miss Hutchison.....	725 Pine street.....	Milk.....	.....
*247	May 31.....	Miss Hutchison.....	725 Pine street.....	Cream.....	.....
248	June 4.....	A. Jacobs—What Cheer Stables.....	Jackson, bet. Front and Davis streets.....	Crushed barley.....	.....

\* Analyzed.

## HEALTH OFFICER'S REPORT.

## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
249	June 4.....	E. W. Buck.....	N. E. cor. Hayes and Gough streets....	olive oil.....	\$0.15
250	June 4.....	E. W. Buck.....	N. E. cor. Hayes and Gough streets....	Cider vinegar.....	.10
251	June 4.....	L. Lebenbaum & Co.....	236 Sutter street.....	olive oil.....	.30
252	June 4.....	L. Lebenbaum & Co.....	236 Sutter street.....	Cider vinegar.....	.15
253	June 4.....	Levin Bros.....	1324-26 Market street.....	olive oil.....	.25
254	June 4.....	Levin Bros.....	1324-26 Market street.....	Cider vinegar.....	.10
255	June 7.....	H. Holman, Royal Tea Co.....	2905-9 Mission street.....	olive oil.....	.25
256	June 7.....	H. Holman, Royal Tea Co.....	2905-9 Mission street.....	Cider vinegar.....	.10
257	June 7.....	Johnson Bros.....	1837 Polk street.....	olive oil.....	.25
258	June 7.....	Johnson Bros.....	1837 Polk street.....	Cider vinegar.....	.15
259	June 7.....	Sandbeck & Sverdrup.....	1001 Larkin street.....	olive oil.....	.15
260	June 7.....	Sandbeck & Sverdrup.....	1001 Larkin street.....	Cider vinegar.....	.05
261	June 8.....	Stulz Bros.....	1931 Fillmore street.....	olive oil.....	.35
262	June 8.....	Stulz Bros.....	1931 Fillmore street.....	Cider vinegar.....	.10
263	June 8.....	R. G. Schroeder.....	S. W. cor. Clay and Fillmore streets....	olive oil.....	.25
264	June 8.....	R. G. Schroeder.....	S. W. cor. Clay and Fillmore streets....	Cider vinegar.....	.15
265	June 9.....	Submitted by Inspector Luders.....	2832 California street.....	Well water.....	.....
266	June 11.....	Dick Von der Mehden.....	N. E. cor. Mission and Fourteenth sts....	olive oil.....	.25

## REPORT OF BUREAU OF FOOD INSPECTION.

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## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	NAME OF GOODS.	PRICE.
267	June 11.....	Dick Von der Meiden.....	N. E. cor. Mission and Fourteenth sts.	Cider vinegar.....	\$0.05
268	June 11.....	M. B. Ward.....	S. W. cor. Post and Devisadero streets.	Olive oil.....	.45
269	June 11.....	M. B. Ward.....	S. W. cor. Post and Devisadero streets	Cider vinegar.....	.10
270	June 11.....	Henry Muller.....	1701 Devisadero street.....	Olive oil.....	.25
271	June 11.....	Henry Muller.....	1701 Devisadero street.....	Cider vinegar.....	.10
272	June 11.....	Harris & DeWitt.....	825 Larkin street.....	Olive oil.....	.25
273	June 11.....	Harris & DeWitt.....	825 Larkin street.....	Cider vinegar.....	.10
274	June 11.....	Montgomery & Co.....	1645 Polk street.....	Olive oil.....	.25
275	June 11.....	Montgomery & Co.....	1645 Polk street.....	Cider vinegar.....	.10
276	June 12.....	Sterling Bros.....	Noe and Fourteenth streets.....	Canned oysters.....	.....
277	June 14.....	F. W. Mayer & Co.....	S. W. cor. Devisadero and Geary sts...	Olive oil.....	.25
278	June 14.....	F. W. Mayer & Co.....	S. W. cor. Devisadero and Geary sts...	Cider vinegar.....	.10
279	June 14.....	John Schloen.....	S. W. cor. Polk and Sacramento sts....	Olive oil.....	.40
280	June 14.....	John Schloen.....	S. W. cor. Polk and Sacramento sts....	Cider vinegar.....	.10
281	June 14.....	B. Donnelly.....	N. W. cor. Bush and Fillmore streets...	Olive oil.....	.25
282	June 14.....	B. Donnelly.....	N. W. cor. Bush and Fillmore streets...	Cider vinegar.....	.10
283	June 15.....	L. M. Walter.....	2815 California street.....	Olive oil.....	.35
284	June 15.....	L. M. Walter.....	2815 California street.....	Cider vinegar.....	.10

## HEALTH OFFICER'S REPORT.

## SAMPLES OF FOOD COLLECTED—CONTINUED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
285	June 19.....	A. Shawl.....	N. E. cor. Devisadero and Rush sts.	Olive oil.....	\$0.25
286	June 19.....	A. Shawl.....	N. E. cor. Devisadero and Rush sts.	Cider vinegar.....	.10
287	June 19.....	O. Simon.....	801 Larkin street, cor. O'Farrell street.	Olive oil.....	.35
288	June 19.....	O. Simon.....	801 Larkin street, cor. O'Farrell street.	Cider vinegar.....	.15
289	June 19.....	W. Boyer.....	835 Hayes street.....	Olive oil.....	.25
290	June 19.....	W. Boyer.....	835 Hayes street.....	Cider vinegar.....	.10
291	June 21.....	H. Schlesselmann & Co.....	1300 Hayes street.....	Olive oil.....	.40
292	June 21.....	H. Schlesselmann & Co.....	1300 Hayes street.....	Cider vinegar.....	.10
293	June 21.....	Dodge, Sweeney & Co.....	116 Market street.....	Condensed milk.....	.....
294	June 22.....	J. M. Fix.....	Fairfield, California.....	Milk.....	.....
295	June 22.....	Downing Bros.....	1100 Devisadero street.....	Olive oil.....	.65
296	June 22.....	Downing Bros.....	1100 Devisadero street.....	Cider vinegar.....	.05
297	June 22.....	Gallagher Bros.....	1118 Devisadero street.....	Olive oil.....	.25
298	June 22.....	Gallagher Bros.....	1118 Devisadero street.....	Cider vinegar.....	.10
299	June 23.....	Hoger Bros.....	N. W. cor. Turk and Hyde streets.....	Olive oil.....	.25
300	June 23.....	Hoger Bros.....	N. W. cor. Turk and Hyde streets.....	Cider vinegar.....	.05
301	June 23.....	Hoger Bros.....	N. W. cor. Turk and Hyde streets.....	Condensed milk.....	.10
302	June 23.....	J. J. Carroll.....	S. E. cor. Fell and Webster streets.....	Olive oil.....	.15

## SAMPLES OF FOOD COLLECTED—CONCLUDED.

No.	DATE.	OF WHOM COLLECTED.	LOCATION.	GOODS.	PRICE.
303	June 28.....	J. J. Carroll.....	S. E. cor. Fell and Webster streets....	Cider vinegar.....	\$0.05
304	June 28.....	J. Hurley.....	S. E. cor. Hayes and Webster streets...	Cider vinegar.....	.10
305	June 28.....	J. Hurley.....	S. E. cor. Hayes and Webster streets...	Condensed milk.....	.10
306	June 29.....	W. F. Harris & Co. ....	90-92 Ninth street.....	Olive oil.....	.25
307	June 29.....	W. F. Harris & Co. ....	90-92 Ninth street.....	Cider vinegar.....	.10
308	June 29.....	Bruce Bros.....	1247 Folsom street.....	Olive oil.....	.15
309	June 29.....	Bruce Bros.....	1247 Folsom street.....	Cider vinegar.....	.10
310	June 30.....	McCoy & Nesbitt.....	3002 Sixteenth street.....	Olive oil.....	.35
311	June 30.....	McCoy & Nesbitt.....	3002 Sixteenth street.....	Cider vinegar.....	.10
312	June 30.....	John J. Moran.....	2431 Sixteenth street.....	Olive oil.....	.20
313	June 30.....	John J. Moran.....	2431 Sixteenth street.....	Cider vinegar.....	.10

## RECAPITULATION.

ARTICLE.	NUMBER.
Baking powder.....	1
Barley (crushed).....	1
Bread.....	2
Catsup.....	32
Coffee.....	2
Condensed milk.....	24
Corn (canned).....	1
Cream.....	2
Hominy (steamed).....	2
Honey.....	13
Jam.....	4
Jelly.....	89
Marmalade.....	5
Milk.....	19
Oatmeal.....	1
Olive oil.....	43



## RECAPITULATION—CONCLUDED.

ARTICLE.	NUMBER.
Oysters (canned).....	1
Paskola.....	1
Preserves.....	4
Sago.....	1
Starch.....	1
Sugar.....	5
Syrup.....	4
Tapioca.....	1
Tea.....	12
Vanilla extract.....	1
Vinegar.....	31
Water.....	5
Wine.....	3
Worcestershire sauce.....	2
Total.....	313

## REPORTS ON ITEMIZED ANALYSES

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1896.		
1.....	Dec. 10.....	Emporium, Market street.....	Tomato catsup.....
2.....	Dec. 10.....	W. B. Cluff & Co., 17 Sixth street.....	Tomato catsup.....
3.....	Dec. 10.....	Smith's Cash Store, 416 Front street.....	Tomato catsup.....
5.....	Dec. 10.....	Levin Bros., 1324 Market street.....	Tomato catsup.....
6.....	Dec. 14.....	.....	Tomato catsup.....
7.....	Dec. 14.....	Jacobsen & Christie, 810 Sixth street.....	Tomato catsup.....
8.....	Dec. 14.....	W. T. Harris & Co., 90 Ninth street.....	Tomato catsup.....
9.....	Dec. 14.....	John D. Mahler, S. W. Mission and Twelfth streets.....	Tomato catsup.....
10.....	Dec. 14.....	Bruns Bros., Mission and Sixteenth streets.....	Tomato catsup.....
11.....	Dec. 14.....	H. Segelken, 1601 Howard street.....	Tomato catsup.....
12.....	Dec. 14.....	F. M. Riechers, 691 Larkin street.....	Tomato catsup.....
13.....	Dec. 14.....	H. A. Schultze, Turk and Polk streets.....	Tomato catsup.....
14.....	Dec. 21.....	A. Matchke, 1251 Fillmore street.....	Tomato catsup.....
15.....	Dec. 21.....	Stulz Bros., 1931 Fillmore street.....	Tomato catsup.....
16.....	Dec. 21.....	L. M. Walters, 2815 California street.....	Tomato catsup.....

RECEIVED FROM CHEMIST TO JUNE 30, 1897.

ANALYSIS.		ADULTERATIONS.
Water and loss @ 100° C .....	76.65	
Total solids.....	20.27	Salicylic acid considerable.
Ash.....	3.08	Coal tar coloring.
Water and loss @ 100° C.....	88.	
Total solids.....	9.54	Salicylic acid considerable.
Ash.....	2.45	Coal tar coloring.
Water and loss @ 100° C .....	87.10	
Total solids.....	9.83	Salicylic acid considerable.
Ash.....	3.07	Coal tar coloring.
Water and loss @ 100° C.....	79.99	Salicylic acid considerable.
Total solids.....	15.19	
Ash.....	4.21	
Water and loss @ 100° C.....	87.49	
Total solids.....	7.45	
Ash.....	5.06	
Salt.....	3.77	
Water and loss @ 100° C.....	79.56	Salicylic acid considerable.
Total solids.....	16.44	
Ash.....	4.00	
Water and loss @ 100° C.....	80.94	
Total solids.....	17.23	Salicylic acid considerable.
Ash.....	1.83	Coal tar coloring.
Water and loss @ 100° C.....	85.11	
Total solids.....	12.98	Salicylic acid very considerable.
Ash.....	1.95	Coal tar coloring.
Water and loss @ 100° C.....	77.10	
Total solids.....	18.99	Salicylic acid considerable.
Ash.....	3.91	Coal tar coloring.
Water and loss @ 100° C.....	77.01	
Total solids.....	19.47	Salicylic acid considerable.
Ash.....	3.52	Coal tar coloring.
Water and loss @ 100° C.....	81.11	
Total solids.....	16.35	Salicylic acid considerable.
Ash.....	2.54	Coal tar coloring.
Water and loss @ 100° C.....	86.89	
Total solids.....	10.84	Salicylic acid considerable.
Ash.....	2.27	Coal tar coloring.
Water and loss @ 100° C.....	79.09	
Total solids.....	16.84	Salicylic acid considerable.
Ash.....	3.07	
Water and loss @ 100° C.....	87.44	
Total solids.....	10.14	Salicylic acid considerable.
Ash.....	2.10	
Water and loss @ 100° C.....	85.48	
Total solids.....	11.08	
Ash.....	3.46	Formaline considerable.

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1896.		
17.....	Dec. 21.....	M. D. Meyer & Co., 1423 Devisadero street.....	Tomato catsup.....
18.....	Dec. 21.....	Henry Ohrt, Grove and Devisadero streets.....	Tomato catsup.....
19.....	Dec. 21.....	.....	Tomato catsup.....
20. ....	Dec. 21.....	J. H. Eiben, S. W. Seventeenth and Dolores streets	Tomato catsup... ..
21.....	Dec. 21.....	Irvine Bros., 1421 Stockton street.....	Tomato catsup.....
22.....	Dec. 21.....	Geo. Hauser, N. W. Dupont and Filbert streets....	Tomato catsup.....
23.....	Dec. 21.....	Fabian Bros., 1701 Stockton street.....	Tomato catsup... ..
24.....	Dec. 21.....	C. Demenchini, 1501 Powell street.....	Tomato catsup.....
25.....	Dec. 21.....	Henry B. Rhode, 1228 Stockton street.....	Tomato catsup.....
26.....	Dec. 28.....	Pacific Marine Supply Co., 206 California street....	Tomato catsup.....
27.....	Dec. 28.....	.....	Vinegar.....
	1897.		
28.....	Jan. 5.....	.....	Curraut jelly.....
29.....	Jan. 5.....	Bibo, Newman & Ikenberg, Polk and California Sts.	Evaporated cream...
30.....	Jan. 5.....	.....	Honey .....
31....	Jan 5.....	Emporium, Parrott Building, Market street.....	Condensed Milk .....

## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.			ADULTERATIONS.
Water and loss @ 100° C.....		90.51	
Total solids.....		6.26	Salicylic acid considerable.
Ash.....		3.23	Coal tar coloring.
Water and loss @ 100° C.....		90.17	
Total solids.....		7.55	Salicylic acid considerable.
Ash.....		2.28	
Water and loss @ 100° C.....		84.43	
Total solids.....		12.83	
Ash.....		2.69	
Water and loss @ 100° C.....		81.32	
Total solids.....		15.30	Salicylic acid considerable.
Ash.....		3.18	
Water and loss @ 100° C.....		89.72	
Total solids.....		8.74	Salicylic acid considerable.
Ash.....		1.54	Coloring.
Water and loss @ 100° C.....		81.72	Salicylic acid small amount 5-100
Total solids.....		15.29	of one per cent.
Ash.....		2.99	Coloring coal tar.
			Borax appreciable quantity.
Water and loss @ 100° C.....		86.25	Salicylic acid appreciable amount.
Total solids.....		11.05	Coloring coal tar.
Ash.....		2.70	Borax appreciable amount.
Water and loss @ 100° C.....		84.44	Salicylic acid considerable.
Total solids.....		11.16	Coloring coal tar.
Ash.....		4.40	
Water and loss @ 100° C.....		90.55	Salicylic acid small, .01 per cent.
Total solids.....		8.61	Coloring artificial.
Ash.....		.84	
Water and loss @ 100° C.....		86.33	Salicylic acid considerable 15 per ct.
Total solids.....		11.09	Coloring coal tar.
Ash.....		2.52	
Acid, as acetic..... 3.036%	Sp. gravity@60° F	1.065	
Total solids..... .42	Water&loss@100°C	99.51	
Ash..... .07			Free mineral acids none.
Water..... 33.06	Gums etc.....	5.16	
Reducing sugar..... 54.48	Acid, as malic....	1.19	
Cane, sugar..... 5.52	Ash.....	.59	Pure.
Water and loss at 100° C.. 69.28	Albuminoids....	11.14	Three parts by weight of skimmed
Milk sugar..... 9.28	Butter fat.....	8.32	milk evaporated to one part.
Cane sugar.....	Ash.....	1.98	Is not evaporated cream.
Direct polarization.....		-1.2°	
Indirect polarization.....		-1.5°	Pure.
Water and loss @ 100°.... 28.13	Albuminoids.....	11.64	
Milk, sugar..... 10.85	Butter fat.....	8.	
Cane, sugar..... 39.60	Ash.....	1.78	Deficient in butter fat.

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1897.		
32.....	Jan. 5.....	Emporium, Parrott Building, Market street . . . . .	Honey.....
33.....	Jan. 5.....	.....	Honey.....
34.....	Jan. 5.....	Montgomery & Co., 31 Sixth street.....	Evaporated cream...
35.....	Jan. 5.....	F. Kaufman, Fifth and Mission streets.....	Condensed Milk .....
36.....	Jan. 5.....	.....	Honey .....
37.....	Jan. 5.....	.....	Condensed milk .....
38.....	Jan. 5.....	.....	Honey .....
39.....	Jan. 5.....	.....	Tomato catsup.....
40.....	Jan. 5.....	A. Quade, 636 Market street. ....	Evaporated cream...
41.....	Jan. 5.....	.....	Honey .....
42.....	Jan. 6.....	South End Pickle Works, 422 Fifth street.....	Tomato catsup.....
43.....	Jan. 6.....	Rathjen Bros., 21 Stockton street.....	Honey .....
44.....	Jan. 6.....	Rathjen Bros., 21 Stockton street.....	Concentrated cream...
45.....	Jan. 6.....	.....	Sherry wine.....
47.....	Jan. 6.....	.....	Claret wine.....
48.....	Jan. 6.....	Jersey Farm, Mission street. ....	Milk.....
49.....	Jan. 7.....	.....	Quince jelly.....

## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.			ADULTERATIONS.
Direct polarization ..... +1.27°	Water.....	15.80	Honey adulterated with cane sugar. Not pure.
Indirect polarization, 19% -2.8°	Total solids.....	84.20	
Direct polarization, 10% -2.0°	Water.....	47.	Pure.
Indirect polarization, 19% -2.8°	Total solids.....	53.	
Water and loss @ 100° C. 69.55	Albuminoids.....	8.75	Three parts unskimmed milk re- duced to one part. Not condensed cream.
Milk, sugar..... 11.14	Butter fat.....	8.88	
	Ash.....	1.69	
Water and loss @ 100° C. 24.50	Albuminoids.....	16.62	Deficient in butter fat.
Milk, sugar..... 15.95	Butter fat.....	6.82	
Cane, sugar..... 34.05	Ash.....	2.	
Direct polarization, 10% -1.9°	Water&loss@100°C	49.40	Pure.
Indirect polarization, 10% -2.9°	Total solids.....	50.60	
Water and loss @ 100° C. 22.93	Albuminoids.....	10.22	Pure.
Milk, sugar..... 19.94	Butter fat.....	8.92	
Cane, sugar..... 56.00	Ash.....	1.99	
Direct polarization, 10% -2.0°	Water&loss@100°C	47.	Pure.
Indirect polarization, 10% -2.8°	Total solids.....	53.	
Water and loss @ 100° C.....		82.260	Absolutely pure.
Total solids, organic.....		13.438	
Ash.....		4.242	
Water and loss @ 100° C. 74.83	Albuminoids.....	8.93	Poor article of condensed milk.
Milk, sugar..... 8.80	Butter fat.....	6.20	
	Ash.....	1.27	
Direct polarization, 10% -3.3	Water&loss@100°C	39.	
Indirect polarization, 10% -3.01	Total solids.....	70.	
Water and loss @ 100° C.....		79.744%	Salicylic acid considerable. Coal tar coloring.
Total solids, organic.....		18.861%	
Ash.....		1.396%	
Direct polarization, 10% +3.15°	Water&loss@100°C	30.40	Not pure honey.
Indirect polarization, 10% +1.04°	Total solids.....	69.60	
Water and loss @ 100° C. 73.05	Albuminoids.....	8.86	Not cream but poor article of con- densed milk.
Milk, sugar..... 11.51	Butter fat.....	4.93	
	Ash.....	1.65	
Specific gravity @ 60° F.. .9555	Solids.....	4.90	Pure wine No salicylic acid.
Alcohol by weight..... 16.71%	Ash.....	.25	
Alcohol by volume..... 20.55			
Specific gravity @ 60° F.. .9940	Solids.....	2.50	Pure wine. No salicylic acid. No artificial coloring.
Alcohol by weight..... 8.19%	Ash.....	.28	
Alcohol by volume..... 11.40			
Specific gravity @ 59° F.. 1.035	Total solids.....	10.95%	
Butter fat..... 3.00%	Water&loss@100°C	88.19%	
Solids, no fat..... 7.95			
Water..... 36.26	Gums, etc.....	23.86	
Reducing sugar..... 25.	Acid, as malic... .	.41	
Cane, sugar..... 18.99	Ash.....	.48	

## REPORTS ON ITEMIZED

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1897.		
50.....	Jan. 7 .....	Smith's Cash Store, 27 Market street.....	Honey .....
51.....	Jan. 7.....	Smith's Cash Store, 27 Market street.....	Evaporated cream...
53.....	Jan. 7.....	.....	Honey.....
54.....	Jan. 7.....	Chris Nuhrenberg, Union and Buchanan streets....	Condensed milk.....
55.....	Jan. 7.....	Kemp & Beanston, Fillmore and Sutter streets.....	Honey.....
56.....	Jan. 7.....	A. A. Bruner, N. W. California and Polk streets....	Honey .....
57.....	Jan. 7.....	A. A. Bruner, N. W. California and Polk streets....	Condensed milk.....
58.....	Jan. 7.....	H. Schroeder & Co., 2420 California street.....	Honey.....
59.....	Jan. 7.....	.....	Honey .....
60.....	Jan. 11.....	City and County Hospital, San Francisco .....	Brown Sugar.....
61.....	Jan. 11.....	City and County Hospital, San Francisco .....	White Sugar.....
62.....	Jan. 12.....	.....	Milk .....
63.....	Jan. 12.....	L. Aschwander, 503½ Hayes street.....	Milk .....
64.....	Jan. 12.....	P. M. Rueffs, 601 Hayes street.....	Milk .....
65.....	Jan. 12.....	J. English, 533 Hayes street.....	Milk .....
66.....	Jan. 12.....	Peter Olsen, 501 Hayes street.....	Milk .....
67.....	Jan. 12.....	H. Mattheis, 332 Hayes street.....	Milk .....



## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.		ADULTERATIONS.
Direct polarization, 10%, -1.4%	Water&loss@100°C 30.	Nearly pure. Small percentage of cane sugar.
Indirect polarization, 10% -2.7%	Total solids..... 70.	
Water and loss @ 100° C. 70.14	Albuminoids..... 9.39	Not evaporated cream.
Milk sugar..... 10.60	Butter fat..... 5.34	
	Ash..... 1.53	Pure.
Direct polarization, 10% +1.0%	..... 29.60%	
Indirect polarization, 10% +1.0%	..... 70.40%	
Water and loss @ 100° C. 29.22	Albuminoids..... 12.25	Deficient in butter fat.
Milk sugar..... 12.25	Butter fat..... 6.28	
Cane sugar..... 36.00	Ash..... 4.0	Not pure.
Direct polarization, 10% +4.6	Water&loss@100°C 33.6	
Indirect polarization, 10% +4.2	Total solids..... 66.4	Not pure.
Direct polarization, 10% +2.0	Water&loss@100°C 30.40	
Indirect polarization, 10% +1.7	Total solids..... 69.60	Deficient in butter fat.
Water and loss @ 100° C. 28.13	Albuminoids..... 11.64	
Milk sugar..... 10.85	Butter fat..... 8.0	Not pure honey and watered.
Cane Sugar..... 39.60	Ash..... 1.78	
Direct polarization, 10% +13.3°	Water&loss@100°C 34.4%	Pure.
Indirect polarization, 10% +8.9	Total solids..... 65.6	
Direct polarization, 10% -2.2	Water&loss@100°C 31.60%	Pure.
Indirect polarization, 10% -2.2	Total solids..... 68.40%	
Cane sugar..... 75.23		Pure.
Reducing sugar..... 6.09		
Water and ash..... 18.68		Pure.
Cane sugar..... 99.39		
Reducing sugar..... none.		Skimmed milk.
Specific gravity @ 60° F..... 1.030		
Butter fat..... 3.00%		Watered milk.
Solids not fat..... 9.39%		
Specific gravity @ 60° F..... 1.034		Skimmed milk.
Butter fat..... 2.25%		
Solids not fat..... 9.02%		Skimmed milk.
Specific gravity @ 60° F..... 1.027		
Butter fat..... 2.00%		Skimmed milk.
Solids not fat..... 7.09%		
Specific gravity @ 60° F..... 1.037		Skimmed milk.
Butter fat..... 1.75%		
Solids not fat..... 9.70%		Skimmed milk.
Specific gravity @ 60° F..... 1.035		
Butter fat..... 2.12%		Skimmed milk.
Solids not fat..... 9.25%		
Specific gravity @ 60° F..... 1.035		Skimmed milk.
Butter fat..... 2.01%		
Solids not fat..... 9.23%		

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1897.		
63.....	Jan. 12.....	J. Furrer, Mission Road.....	Milk .....
69.....	Jan. 12.....	Mrs. O. Seichepitue, 511 Laguna street.....	Milk .....
70.....	Jan. 12.....	Miss C. Johnson, 433 Hayes street.....	Milk .....
71.....	Jan. 12.....	E. Peterson, 423 Hayes street.....	Milk .....
74.....	Jan. 14.....	Alms House, San Francisco.....	Sugar .....
75.....	Jan. 14.....	Alms House, San Francisco.....	Sugar .....
77.....	Jan. 19.....	A. L. Harms, Grove and Laguna streets.....	Sugar .....
78.....	Jan. 21.....	Mrs. Isaacs, 621 Bush street.....	Raspberry syrup....
79.....	Jan. 21.....	Wm. Cline, 949 Market street.....	Raspberry syrup....
80.....	Jan. 21.....	Wm. Cline, 949 Market street.....	Condensed milk....
81.....	Jan. 21.....	Martin Feusier & Co., 309 Clay street.....	Currant jelly (tub)...
82.....	Jan. 21.....	C. E. Whitney & Co., 116 Davis street.....	Currant jelly (tub)...
83.....	Jan. 21.....	Getz Bros. & Co., 111 California street.....	Currant jelly (tub.)..
84.....	Jan. 21.....	Pacific Coast Syrup Co., 713 Sansome street.....	Strawberry jelly (tub)

## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.	ADULTERATIONS.
Specific gravity @ 60° F. .... 1.035	
Butter fat..... 2.00	
Solids not fat..... 9.23	Skimmed milk.
Specific gravity @ 60° F. .... 1.036	
Butter fat..... 2.00	
Solids not fat..... 9.49	Skimmed milk.
Specific gravity @ 60° F. .... 1.034	
Butter fat..... 2.00	
Solids not fat..... 8.98	Skimmed milk.
Specific gravity @ 60° F. .... 1.036	
Butter fat..... 1.87	
Solids not fat..... 9.46	Skimmed milk.
Cane sugar..... 75.47	
Reducing sugar..... 7.35	
Water and ash..... 17.18	Unrefined. Not adulterated.
Cane sugar..... 99.39	
Reducing sugar..... none.	Pure.
Water and loss @ 100° C. 6.86 Cane sugar..... 88.13	
Total organic solids..... 93.13 Glucose..... 5.00	
Ash..... .01 Color, ultramarine blue.	Contains glucose, too much water, and is artificially colored.
Water..... 26.2 Direct polarization, 10% +.. 5.2	
Solids..... 73.8 Indirect polarization, 10% - 25.00	Polarization indicates cane sugar; contains no acid; artificially flavored; colored with Fuchsine. Contains no raspberries.
Water..... 23.2 Direct polarization, 10% .... + 5.2	
Solids..... 73.8 Indirect polarization, 10% .... - 2.50	Polarization indicates cane sugar; contains no acid; artificially flavored; colored with Fuchsine. Contains no raspberries.
Water and loss @ 100° C. 22.72 .....	
Milk sugar..... 11.55 Albuminoids .... 11.55	
Cane sugar..... 45.29 Butter fat..... 6.64	
Ash..... 2.25	Deficient in butter fat.
Itemized analysis not reported.....	Contains apple jelly, starch paste colored with aniline red, and contains acetic acid. No currants.
Itemized analysis not reported.....	Contains apple jelly, glucose, acetic acid, and colored with coal tar coloring (Kalene); contains no cane sugar. No currants.
Itemized analysis not reported.....	Contains apple jelly, glucose and small amount of cane sugar, colored with coal tar color. No currants.
Itemized analysis not reported.....	Contains apple jelly, glucose and small amount of cane sugar, colored with coal tar coloring. No strawberries.

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1897.		
85.....	Jan. 21.....	Dairymen's Union, 113 Davis street.....	Currant jelly (tub)...
86 .....	Jan. 21 .....	Hartter, Hayes & Co., 216 Front street.....	Currant jelly (tub) ..
87. ....	Jan. 21 ....	Smith's Cash Store, 27 Market street.....	Condensed milk .....
88. ....	Jan. 21 .....	Smith's Cash Store, 27 Market street.....	Condensed milk .....
89. ....	Jan. 21 ....	Smith's Cash Store, 27 Market street....	Condensed Milk .....
90. ....	Jan. 30.....	City and County Hospital, San Francisco.....	Claret wine .....
91.....	Feb. 2.....	City and County Hospital, San Francisco.....	Tomato catsup.....
93.....	Feb. 2.....	City and County Hospital, San Francisco.....	Tapioca.....
94.....	Feb. 2 .....	City and County Hospital, San Francisco.....	Starch.....
95.....	Feb. 2 .....	City and County Hospital, San Francisco.....	Sago.....
96.....	Feb. 10.....	.....	Strawberry jelly.....
97.....	Feb. 10 .....	.....	Currant jelly. ....
98 .....	Feb. 13 .....	.....	Strawberry jelly.....
99.....	Feb. 13 .....	Wm. Cline & Co., 919 Market street.....	Currant jelly.....
100 .....	Feb. 13 .....	.....	Raspberry jam.....
101. ....	Feb. 13 .....	Emporium, Market street.....	Strawberry jelly.....
102.....	Feb. 13 .....	.....	Raspberry preserves..

## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.		ADULTERATIONS.
Itemized analysis not reported.....		Contains apple jelly, glucose and cane sugar, colored with coal tar coloring. No currants.
Itemized analysis not reported.....		Contains apple jelly and large proportion of glucose, colored with coal tar coloring. No currants, or any other small fruits, such as raspberry strawberry or blackberry.
Water and loss @ 100° C..	13.71	Albuminoids..... 21.15
Milk sugar.....	24.21	Butter fat..... 6.81
Cane sugar.....	24.34	Ash..... 1.78
		Deficiency in butter fat.
Water and loss @ 100° C..	27.69	Albuminoids..... 11.63
Milk sugar.....	11.63	Butter fat..... 3.87
Cane sugar.....	43.41	Ash..... 1.77
		Deficiency in butter fat.
Water and loss @ 100° C..	72.69	Albuminoids..... 7.64
Milk sugar.....	9.35	Butter fat..... 8.83
		Ash..... 1.44
		Not cream.
Specific gravity @ 60° F.....		.9955
Alcohol by weight.....		9.55
Alcohol by volume.....		11.85
Solids.....		3.10
Acids as tartaric.....		.85
		A young claret. Not adulterated.
Water and loss @ 100° C.....		85.86
Total solids.....		10.87
Ash.....		2.27
		Salicylic acid, considerable. Coloring, coal tar. Deficient in solids.
Itemized analysis not reported.....		Microscopical examination shows sample to be pure.
Itemized analysis not reported.....		Microscopical examination shows sample to be pure.
Itemized analysis not reported.....		Microscopical examination shows sample to be pure.
Water.....	32.30	Gums, etc..... 2.71
Reducing sugar.....	49.99	Acid (as Malic).. 1.52
Cane sugar.....	13.01	Ash..... .47
		Is strawberry jelly made from the fruit.
Water.....	30.46	Gums, etc..... 5.33
Reducing sugar.....	42.59	Acid (as Malic).. 1.70
Cane sugar.....	19.69	Ash..... .23
		Pure.
Itemized analysis not reported.....		Is pure strawberry jelly.
Water.....	32.66	Gums, etc..... 2.24
Reducing sugar.....	48	Acid (as Malic).. 1.24
Cane sugar.....	15.14	Ash..... .72
		2-5 currant, with 3-5 apple jelly.
Itemized analysis not reported.....		Pure.
Itemized analysis not reported.....		Apple jelly artificially colored.
Itemized analysis not reported.....		Pure.

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1897.		
103.....	Feb. 13.....	Emporium, Market street.....	Currant jelly.....
104.....	Feb. 13.....	A. Quade & Co., 636 Market street.....	Currant jelly.....
105.....	Feb. 13.....	.....	Currant jelly.....
106.....	Feb. 13.....	A. Quade & Co., 636 Market street.....	Lemon jelly.....
107.....	Feb. 13.....	.....	Guava jelly.....
108.....	Feb. 13.....	.....	Grape jelly.....
109.....	Feb. 13.....	Smith's Cash Store, 27 Market street.....	Currant jelly.....
110.....	Feb. 13.....	.....	Currant jelly.....
111.....	Feb. 13.....	.....	Currant jelly.....
112.....	Feb. 13.....	Goldberg, Bowen & Co., 426 Pine street.....	Currant jelly.....
113.....	Feb. 13.....	.....	Currant jelly.....
114.....	Feb. 13.....	John Fischer, 112 Third street.....	Raspberry jelly.....
115.....	Feb. 13.....	Montgomery & Co., 120 Third street.....	Raspberry jelly.....
116.....	Feb. 13.....	M. DeWitt & Co., 221 Third street.....	Raspberry jelly.....
117.....	Feb. 13.....	Elliot Bros., 302 Third street.....	Currant jelly.....
118.....	Feb. 13.....	John N. Nolan, 348 Third street.....	Currant jelly.....
119.....	Feb. 13.....	Kavanaugh & Co., 402 Third street.....	Currant jelly.....
120.....	Feb. 13.....	Kavanaugh & Co., 402 Third street.....	Strawberry jelly.....
121.....	Feb. 13.....	.....	Blackberry jelly.....
122.....	Feb. 13.....	Kavanaugh & Co., 402 Third street.....	Raspberry jelly.....
123.....	Feb. 13.....	.....	Condensed milk.....
124.....	Feb. 17.....	.....	Marmalade.....
125.....	Feb. 17.....	.....	Marmalade.....
126.....	Feb. 17.....	Sbarboro & Co., 531 Washington street.....	Strawberry jelly.....

## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.				ADULTERATIONS.
Water.....	27.41	Gums, etc.....	17.77	
Reducing sugar.....	44.43	Acid (as Malic)..	.29	
Cane sugar.....	9.54	Ash.....	.56	Currant adulterated with starch.
Water.....	26.77	Gums, etc.....	4.46	
Reducing sugar.....	41.47	Acid (as Malic)..	1.11	
Cane sugar.....	25.73	Ash.....	.46	4-5 currant, with 1-5 apple jelly.
Water.....	29.79	Gums, etc.....	.29	
Reducing sugar.....	63.14	Acid (as Malic)..	2.10	
Cane sugar.....	3.86	Ash.....	.82	Pure.
Itemized analysis not reported.....				Starch jelly artificially colored.
Itemized analysis not reported.....				Pure.
Itemized analysis not reported.....				Pure.
Water.....	31.65	Gums, etc.....	4.23	
Reducing sugar.....	36.36	Acid, as malic....	.65	
Cane sugar.....	26.78	Ash.....	.33	½ currant and ¼ apple jelly.
Itemized analysis not reported..				Pure.
Itemized analysis not reported..				Pure.
Itemized analysis not reported..				1-5 currant and 4-5 apple jelly.
Itemized analysis not reported.....				Pure.
Itemized analysis not reported..				Apple jelly, artificially colored and contains considerable starch.
Itemized analysis not reported..				Apple jelly, artificially colored and contains considerable starch.
Itemized analysis not reported..				Apple jelly, artificially colored and contains considerable starch.
Itemized analysis not reported..				Apple jelly, artificially colored.
Itemized analysis not reported..				1-5 pure currant and 4-5 apple jelly.
Itemized analysis not reported..				1-5 pure currant and 4-5 apple jelly.
Itemized analysis not reported..				Starch jelly, artificially colored.
Itemized analysis not reported.....				Pure.
Itemized analysis not reported..				4-5 apple and 1-5 raspberry jelly.
Water and loss @ 100 C. 55.42		Albuminoids.....	10.77	
Milk sugar.....	18.32	Butter fat.....	13.23	
Cane sugar.....		Ash.....	2.26	Pure.
Itemized analysis not reported..				Pure.
Itemized analysis not reported..				Pure.
Itemized analysis not reported.....				Apple jelly, artificially colored.

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1897.		
127.....	Feb. 17.....	.....	Plum jelly.....
128.....	Feb. 17.....	Sbarboro & Co., 531 Washington street.....	Currant preserve.....
129.....	Feb. 17.....	Cluff Bros., 9 and 11 Montgomery avenue.....	Raspberry jelly.....
130.....	Feb. 17.....	Henry Sterling, Vallejo and Stockton streets.....	Raspberry jelly.....
131.....	Feb. 17.....	Roich & Wolf, 1423 Powell street.....	Lemon jelly.....
132.....	Feb. 17.....	Roich & Wolf, 1423 Powell street.....	Lemon jelly.....
133.....	Feb. 17.....	Faust E. Marcherine, 718 Greenwich street.....	Orange jelly.....
134.....	Feb. 17.....	.....	Raspberry marmalade.....
135.....	Feb. 17.....	F. Mecchi, 733 Montgomery avenue.....	Currant jelly.....
136.....	Feb. 17.....	Stulz Bros., 529 Montgomery avenue.....	Currant jelly.....
137.....	Feb. 17.....	.....	Raspberry preserve.....
138.....	Feb. 17.....	Irvine Bros., 1421 Stockton street.....	Strawberry jelly.....
139.....	Feb. 17.....	Irvine Bros., 1421 Stockton street.....	Currant jelly.....
140.....	Feb. 17.....	Irvine Bros., 1421 Stockton street.....	Quince jelly.....
141.....	Feb. 17.....	Bear & Buckley, 1311 Stockton street.....	Raspberry jelly.....
142.....	Feb. 17.....	Meyer & Kohn, 105 Stockton street.....	Raspberry jelly.....
143.....	Feb. 17.....	.....	Blackberry marmalade.....
144.....	Feb. 17.....	L. Edwards—Complaint, 154 Third street.....	Tomato catsup.....
146.....	Feb. 26.....	Dick Von der Mehden, Fourth and Mission streets.....	Currant jelly.....
147.....	Feb. 26.....	Dick Von der Mehden, Fourth and Mission streets.....	Raspberry jelly.....
148.....	Feb. 26.....	.....	Orange marmalade.....
149.....	Feb. 26.....	Co-operative Temperance Grocery, 122 Fourth st.....	Raspberry jelly.....
150.....	Feb. 26.....	F. C. Kaufman, 220 Fourth street.....	Raspberry jelly.....
151.....	Feb. 26.....	F. C. Kaufman, 220 Fourth street.....	Blackberry jelly.....
152.....	Feb. 26.....	John Dryer, 241 Fourth street.....	Strawberry jelly.....



## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.	ADULTERATIONS.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	Apple jelly, artificially colored.
Itemized analysis not reported.....	Apple jelly, artificially colored and contains starch.
Itemized analysis not reported.....	Apple jelly, artificially colored and contains starch.
Itemized analysis not reported.....	Starch jelly and contains tartaric acid.
Itemized analysis not reported.....	Composed of starch jelly, and contains tartaric, citric and nomalic acid.
Itemized analysis not reported.....	Starch jelly and tartaric acid.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	Apple jelly artificially colored.
Itemized analysis not reported.....	Apple jelly colored with aniline dye.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	$\frac{1}{2}$ apple and $\frac{1}{2}$ strawberry jelly.
Itemized analysis not reported.....	Decomposed; not fit for analysis.
Itemized analysis not reported.....	Quince jelly containing considerable starch.
Itemized analysis not reported.....	Apple jelly artificially colored.
Itemized analysis not reported.....	$\frac{1}{4}$ raspberry, $\frac{3}{4}$ apple jelly, with considerable starch.
Itemized analysis not reported.....	Pure.
Water and loss @ 100° C..... 85.69	
Total solids..... 12.56	Coloring, aniline dye.
Ash..... 1.75	Contains both salicylic acid & borax.
Itemized analysis not reported.....	Apple jelly artificially colored.
Itemized analysis not reported.....	Apple jelly colored with aniline dye.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	Apple jelly colored with aniline dye.
Itemized analysis not reported.....	Raspberry jelly, contains considerable starch and colored with coal tar colors.
Itemized analysis not reported.....	$\frac{1}{2}$ apple, $\frac{1}{2}$ blackberry; contains starch and colored with aniline dye.
Itemized analysis not reported.....	Is strawberry jelly, & contains starch and colored with coal tar colors.

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1897.		
153.....	Feb. 26.....	John Dryer, 244 Fourth street.....	Blackberry jelly.....
154.....	Feb. 26.....	T. J. Norton, 337 Fourth street.....	Currant jelly.....
155.....	Feb. 26.....	M. A. Marron, 334 Fourth street.....	Raspberry jelly.....
156.....	Feb. 26.....	Lunsmann Bros., Fourth and Harrison streets.....	Strawberry jelly.....
157.....	Feb. 26.....	.....	Currant jam.....
158.....	Feb. 26.....	Lunsmann Bros., Fourth and Harrison streets.....	Blackberry jelly.....
159.....	Feb. 26.....	Geo. Schomaker, Fourth and Bryant streets.....	Currant jelly.....
160.....	Feb. 26.....	Geo. Schomaker, Fourth and Bryant streets.....	Currant jelly.....
161.....	Feb. 26.....	.....	Currant jam.....
162.....	Feb. 26.....	.....	Currant jelly.....
163.....	Feb. 26.....	.....	Currant jelly.....
164.....	Feb. 26.....	.....	Currant jelly.....
165.....	Feb. 26.....	Sturkins & Hollins, N. W. cor. Third & Brannan sts.	Quince jelly.....
166.....	Feb. 26.....	Wm. Beckman, 453 Sixth street.....	Raspberry jelly.....
167.....	Feb. 26.....	T. B. Cusack, S. W. cor. Harriet and Brannan sts...	Blackberry jelly.....
168.....	Feb. 26.....	Henry Hartje, 731 Brannan street.....	Lemon jelly.....
169.....	Feb. 26.....	Salomon Bros., 396 Sixth street.....	Currant jelly.....
170.....	Feb. 26.....	Salomon Bros., 396 Sixth street.....	Orange jelly.....
171.....	Feb. 26.....	Johnson Bros., 318 Sixth street.....	Currant jelly.....
172.....	Feb. 26.....	Johnson Bros., 318 Sixth street.....	Currant jelly.....
173.....	Feb. 26.....	Johnson Bros., 318 Sixth street.....	Raspberry jelly.....
174.....	Feb. 26.....	Jacobson & Christie, 310 Sixth street.....	Currant jelly.....
175.....	Feb. 26.....	.....	Apple jelly.....
176.....	Feb. 26.....	H. Wolf & Bro., successors to Levin Bros., 1324 Market street.....	Strawberry jelly.....
177.....	Feb. 26.....	The Morton Co., Auctioneers, Seized, 106 Pine st...	Currant jelly.....
178.....	Feb. 26.....	.....	Currant jelly.....
179.....	Feb. 26.....	The Morton Co., Auctioneers, Seized, 106 Pine st...	Strawberry jam.....

## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.	ADULTERATIONS.
Itemized analysis not reported.....	$\frac{3}{4}$ apple and $\frac{1}{4}$ blackberry jelly.
Itemized analysis not reported.....	Apple jelly artificially colored and contains starch.
Itemized analysis not reported.....	Apple jelly, colored with coal tar color.
Itemized analysis not reported.....	$\frac{2}{3}$ strawberry and $\frac{1}{3}$ apple jelly.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	Apple jelly, artificially colored.
Itemized analysis not reported.....	Apple jelly, artificially colored.
Itemized analysis not reported.....	$\frac{1}{4}$ currant, and $\frac{3}{4}$ apple jelly.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	Pure.
Itemized analysis not reported.....	Quince jelly, containing some starch.
Itemized analysis not reported.....	Apple jelly, color'd with coal tar color.
Itemized analysis not reported.....	Apple jelly, artificially colored.
Itemized analysis not reported.....	Starch jelly with tartaric acid.
Itemized analysis not reported.....	$\frac{1}{4}$ currant and $\frac{3}{4}$ apple jelly; contains starch.
Itemized analysis not reported.....	Apple jelly, with tartaric acid.
Itemized analysis not reported.....	$\frac{1}{2}$ currant and $\frac{1}{2}$ apple jelly.
Itemized analysis not reported.....	Apple jelly, artificially colored.
Itemized analysis not reported.....	Apple jelly, artificially colored.
Itemized analysis not reported.....	Apple jelly, artificially colored.
Itemized analysis not reported.....	Pure
Itemized analysis not reported.....	Apple jelly, colored with coal tar color.
Itemized analysis not reported.....	Passed into a state of fermentation—is pure, but on account of its having spoiled, is not fit for food.
Itemized analysis not reported.....	Pure but old.
Itemized analysis not reported.....	Pure but old—shows signs of fermentation—should not be sold to consumers.

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1887.		
180.....	Feb. 26.....	The Morton Co., Auctioneers, Seized, 106 Pine st....	Raspberry jam.....
181.....	Feb. 26.....	The Morton Co., Auctioneers, Seized, 106 Pine st....	Currant jelly.....
182.....	Feb. 26.....	The Morton Co., Auctioneers, Seized, 106 Pine st....	Syrup.....
183.....	Mar. 1....	Capt. I. W. Lees, City Hall.....	Bread.....
184.....	Mar. 3.....	Zen & Schetter, Van Ness avenue and Fulton street.	Paskola.....
185.....	Mar. 6....	City and County Hospital, San Francisco.....	Milk.....
186.....	Mar. 6.....	City and County Hospital, San Francisco.....	Cream.....
187.....	Mar. 9....	City and County Hospital, San Francisco.....	Milk.....
188.....	Mar. 9....	City and County Hospital, San Francisco.....	Milk.....
189.....	Mar. 9.....	.....	Condensed milk.....
190.....	Mar. 9.....	Isidor Jacobs, San Francisco.....	Condensed milk.....
191.....	Mar. 12.....	Lincoln Bros., 222 Sixth street.....	Condensed milk.....
192.....	Mar. 12..	.....	Condensed milk.....
194.....	Mar. 13...	Manufacturers & Producers' Association, Mills Bldg.	Condensed milk.....
205.....	Mar. 24.....	C. S. Tredell, 1242 Howard street.....	Strawberry jelly....
207.....	Mar. 30.....	City and County Hospital, San Francisco.....	Currant jelly.....

## ANALYSES RECEIVED—CONTINUED.

ANALYSIS.	ADULTERATIONS.
Itemized analysis not reported.....	Pure but old—shows signs of fermentation—should not be sold to consumers.
Itemized analysis not reported.....	Pure but old—shows signs of fermentation—should not be sold to consumers.
Reducing sugar..... 19.86 Cane sugar..... 45.93 Water, etc..... 25.91 Ash..... 8.30	A common or low grade of syrup from beet sugar—not adulterated.
Itemized analysis not reported.....	Failed to discover any mineral or organic poisons.
Specific gravity @ 60° F..... 2.290 Total organic solids..... 66.04 Ash..... .36 Water..... 33.60	Ash consists of sodium chloride, phosphate of lime, and phosphoric acid—probable soluble phosphate of lime—organic constituent nearly all glucose.
Specific gravity @ 60° F..... 1.036 Butter fat..... 2.91% Solids, not fat..... 9.63%	Contains about 2½ per cent. of sand and dirt—deficient in butter fat.
Specific gravity @ 60° F..... 1.020 Milk fat..... 18.30% Solids, not fat..... 8.09%	A fair article of cream.
Specific gravity @ 60° F..... 1.035 Butter fat..... 3.29% Solids, not fat..... 9.44%	Good milk.
Specific gravity @ 60° F..... 1.030 Butter fat..... 6.38% Solids, not fat..... 8.68%	Good milk.
Water and loss @ 100° C. 28.13 Albuminoids .... 9.01 Milk sugar..... 10.99 Butter fat..... 8.89 Cane sugar..... 45.12 Ash..... 1.76	Pure.
Water and loss @ 100° C. 68.91 Albuminoids .... 9.18 Milk sugar..... 12.55 Butter fat..... 7.91 Ash..... 1.45	Deficient in butter fat.
Water and loss @ 100° C. 25.33 Albuminoids..... 9.80 Milk sugar..... 12.32 Butter fat..... 5.72 Cane sugar..... 45.00 Ash..... 1.83	Made from skimmed milk.
Water and loss @ 100° C. 63.62 Albuminoids .... 9.25 Milk sugar..... 13.54 Butter fat..... 11.68 Ash..... 1.83	Pure.
Water and loss @ 100° C. 68.91 Albuminoids..... 9.18 Milk Sugar..... 12.55 Butter fat..... 7.91 Ash..... 1.45	Apple jelly, containing starch and colored with coal tar colors.
Itemized analysis not reported.....	¼ currant and ¾ apple jelly, colored with coal tar color.
Itemized analysis not reported.....	

## REPORTS ON ITEMIZED

Sample Number.	DATE.	FROM WHOM TAKEN AND ADDRESS.	ARTICLE.
	1897.		
212 .....	Mar. 31 .....	A. Lausberger & Bro., Agents, 3 California street...	Tomato catsup.....
213.....	Apl. 6 .....	.....	Currant jelly. ....
214.....	Apl. 6 .....	.....	Raspberry syrup.....
219.....	Apl. 15.....	.....	Hominy, hulled corn.
220.....	Apl. 16.....	City and County Hospital, San Francisco.....	Corn, canned.....
226.....	May 7.....	Mrs. Dr. A. Gerlach, 1331 Golden Gate avenue.....	Well water.....
243 .....	May 29.....	.....	Milk.....
244 .....	May 29 .....	.....	Oatmeal.....
245 .....	May 29 .....	.....	Baking powder.....
246 .....	May 31 .....	.....	Milk.....
247 .....	May 31.....	.....	Cream.....

## ANALYSES RECEIVED—CONCLUDED.

ANALYSIS.	ADULTERATIONS.
Water and loss @ 100° C. .... 76.96 Total solids ..... 19.31 Ash ..... 3.73	Considerable aniline dye.
Itemized analysis not reported. ....	Pure.
Itemized analysis not reported. ....	Pure.
Itemized analysis not reported. ....	No metallic or organic poisons.
Itemized analysis not reported. ....	Sample appears sweet and well preserved as indicated by taste and color—special tests for lead and salicylic acid give negative results.
Sanitary analysis calculated to parts in 100,000 parts. Total solids ..... 53.000 Nitrogen as nitrates... .015 Free ammonia ..... .014 Chlorine as chlor., etc 9.975 Albuminoid ammonia... .060 Oxydiz. org. matters..6.762	Polluted water and unfit for drinking or household uses.
Itemized analysis not reported. ....	Examined for mineral and organic poisons with negative results.
Itemized analysis not reported. ....	Examined for mineral and organic poisons with negative results.
Itemized analysis not reported. ....	Examined for mineral and organic poisons with negative results.
Itemized analysis not reported. ....	Examined for mineral and organic poisons with negative results.
Itemized analysis not reported. ....	Examined for mineral and organic poisons with negative results.

## RECAPITULATION.

REPORTS ON ANALYSES RECEIVED FROM CHEMIST TO JUNE 30, 1887.

ARTICLE.	No.	ARTICLE.	No.
Baking Powder .....	1	Oatmeal (cooked)...	1
Bread .....	1	Paskola .....	1
Catsup .....	30	Preserves .....	3
Condensed Milk .....	20	Sago .....	1
Corn (canned) .....	1	Starch .....	1
Cream .....	2	Sugar .....	5
Hominy (Hulled Corn) .....	1	Syrup .....	4
Honey .....	13	Tapioca .....	1
Jam .....	4	Vinegar .....	1
Jelly .....	82	Water .....	1
Marmalade .....	5	Wine .....	3
Milk .....	16	Total .....	198*

\*See June report of the Board of Health.



## INSPECTORS' RECORD OF MILK CASES.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Sp. Gr.	Cream.
	1896.				Pr. ct.		Pr. ct.
1	Dec. 30.	B. Donnelly, 1901 Fillmore street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 1-5	1036	9
2	Dec. 30.	H. Amixer, 1408 Devisadero street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 3-5	1031	7
3	Dec. 30.	Silva & Jardan, 2130 Fillmore street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 2-5	1036	6
4	Dec. 30.	Button & Wright, 619 Grove street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	4	1036	8
5	Dec. 30.	J. Shauzer, 1013 Pierce street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	4 1-5	1028	7
6	Dec. 30.	Hutmeyer Bros., 1736 Devisadero street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 4-5	1031	6
7	Dec. 30.	John Platt, 2115 and Steiner streets.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 1-5	1036	9
8	Dec. 30.	L. Fruchter, 2157 Geary street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	4 1-5	1034	12
9	Dec. 30.	L. Roholm, 1236 Union street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	5 1-5	1028	10
10	Dec. 30.	Button & Wright, 619 Grove street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	1	1036	9
11	Dec. 30.	F. Chizzola, 1726 Leavenworth street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	4 1-5	1036	8
12	Dec. 30.	Vennekoh Bros., 1231 Pacific street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 2-5	1031	7
13	Dec. 30.	G. M. Perry, 407 Francisco street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 1-5	1028	6
14	Dec. 30.	H. Ehle, 1300 Webster street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 3-5	1034	8
15	Dec. 30.	Mill Valley Dairy, Hyde and O'Farrell streets...	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	5 1-5	1036	9
16	Dec. 30.	D. W. Bates, 2201 Fillmore street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	4 1-5	1036	6
17	Dec. 30.	L. Hauser, 2216 Fillmore street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 2-5	1031	9
18	Dec. 30.	M. D. Meyer & Co., 1423 Devisadero street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	3 3-5	1028	8
19	Dec. 30.	A. Hartman, 1722 Devisadero street.....	A. J. Harrigan and R. E. H. Lyons.	J. P. Dockery.....	4 1-5	1032	6

## HEALTH OFFICER'S REPORT.

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Syr. Gr. Cream.	Pr. ct.
20	1897. Jan'y 2.	John Bartels, 413 Third street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	4	1036	9
21	Jan'y 2.	J. W. Dreyer, 423 Third street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 1-5	1028	7
22	Jan'y 2.	E. Peterson, 565 Third street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 2-5	1030	5
23	Jan'y 2.	Wm. A. C. Lundin, 262 Ninth street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	6	1032	6
24	Jan'y 2.	Brooks & Loyee, 206 Ninth street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	5 1-5	1036	8
25	Jan'y 2.	H. Kruse, 1736 Market street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 4-5	1028	9
26	Jan'y 2.	Rider & Spencer, 2614 Mission street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 2-5	1030	12
27	Jan'y 2.	John Schwookted, 350 Twelfth street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 1-5	1028	10
28	Jan'y 2.	John Adams, 1443 Harrison street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 4-5	1032	8
29	Jan'y 2.	Charles Ellinger, 6 Golden Gate avenue.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 1-5	1032	6
30	Jan'y 2.	W. Schmidt, 345 Tenth street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 3-5	1034	7
31	Jan'y 2.	Jos. Klehlin, 940 Harrison street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 4-5	1034	5
32	Jan'y 2.	F. H. Grossman, 525 Fourth street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	4	1036	9
33	Jan'y 2.	F. Petschart, 420 Third street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	4 1-5	1036	10
34	Jan'y 2.	P. Granda, 230 Laugton street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 3-5	1032	8
35	Jan'y 2.	L. A. Coffin, 645 Third street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 2-5	1028	8
36	Jan'y 2.	Mrs. R. M. Dutkie, 533 Fourth street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 2-5	1028	7
37	Jan'y 2.	H. Walker, 403 McAllister street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	4 1-5	1034	9
38	Jan'y 4.	Murphy & Sexton, 2976 Sixteenth street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery	3 3-5	1030	8

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter	Fat	Sp. Gr. Cream.
39	1897. Jan'y 4.	George Rutz, 2900 Twenty fourth street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1028	7
40	Jan'y 4.	Mrs. M. Webster, 3073 Twenty fourth street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	5 1-5	1036	12
41	Jan'y 4.	F. Meyer, 1224 Railroad avenue.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2 5	1028	6
42	Jan'y 4.	Donnis Davito, 12 East street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3 5	1028	6
43	Jan'y 4.	Nelson & Toft, 4 East street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 1 5	1034	8
44	Jan'y 4.	James Paiet, 3 Jackson street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3-5	1028	9
45	Jan'y 4.	Sorenson & Johnson, 12 Jackson street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1-5	1036	6
46	Jan'y 4.	D. Swanson, 8 Jackson street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2 5	1035	7
47	Jan'y 4.	J. H. O'Brien, 473 Shotwell street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4	1036	5
48	Jan'y 4.	John Linahan, Mission Road.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	6 1 5	1034	9
49	Jan'y 4.	B. H. Arnold, Silver avenue.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	5 1-5	1034	8
50	Jan'y 1.	H. Schnipper, 624 Twenty-fourth street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 2-5	1036	7
51	Jan'y 4.	H. Sloss, 2708 Twenty-fourth street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1 5	1028	6
52	Jan'y 4.	J. Peters, 3261 Nineteenth street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 2 5	1031	8
53	Jan'y 4.	E. Stewart, 327 Fifth street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3 5	1030	6
54	Jan'y 4.	A. Allison, 2005 Mission street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1028	6
55	Jan'y 4.	Meholovich Bros., 1912 Mission street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 1-5	1036	8
56	Jan'y 5.	Charles Kuhlmann, 145 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 4-5	1034	10
57	Jan'y 5.	Aschmann & Muller, 151 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1028	9

## HEALTH OFFICER'S REPORT.

## INSPECTOR'S RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.	
					Butter Fat	Sp. Gr. Cream.
58	Jan'y 5.	Thomas Liebig, 147 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1.5	1032
59	Jan'y 5.	Joseph Hoffman, 7 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	5 1.5	1036
60	Jan'y 5.	J. H. Schmidt, 121 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 4.5	1036
61	Jan'y 5.	Page & Falch, Turk and Mason streets.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 4.5	1030
62	Jan'y 5.	Ehndel & Mulrooney, 23 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2.5	1028
63	Jan'y 5.	J. Schwartz, 26 Turk street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 1.5	1034
64	Jan'y 5.	J. Lamarque, 9 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 2.5	1034
65	Jan'y 5.	C. Herzog, 39 Turk street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	5 2.5	1036
66	Jan'y 5.	George Dogetti, 111 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 4.5	1028
67	Jan'y 5.	Van Olevendorp & Tenmeiani, 21 Taylor street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1.5	1028
68	Jan'y 5.	J. Bollner, 737 Turk street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2.5	1030
69	Jan'y 5.	Mrs. Scott, Franklin.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 4.5	1032
70	Jan'y 9.	F. Dickman, 215 Second street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2.5	1030
71	Jan'y 9.	H. K. Cummings, 606 Mission street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2.5	1030
72	Jan'y 9.	P. J. McDonald, 43 Second street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 2.5	1034
73	Jan'y 9.	W. J. Davis, 24 Second street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 4.5	1036
74	Jan'y 9.	William Herzer, 28 First street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4	1034
75	Jan'y 9.	George Broneer, 126 First street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2.5	1028
76	Jan'y 9.	William Kaneck, 38 Second street.....	A. J. Harrigan and Ben. Hanlon .....	J. P. Dockery.....	5 3.5	1036
					5 1.5	1036

## INSPECTORS' RECORD OF MILK CASES.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat Sp. Gr.	Cream.	
77	1897. Jan'y 9.	J. Uachtold, 216 Second street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 1-5	1034	8
78	Jan'y 9.	Simmons & Co., 267 Second street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 2-5	1028	6
79	Jan'y 9.	Aplin & West, 294 Fourth street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 3-5	1028	7
80	Jan'y 9.	D. Barovels, 219 Fourth street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 1-5	1034	9
81	Jan'y 9.	M. J. Dempsey, 215 Fourth street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 3-5	1034	8
82	Jan'y 9.	Frank Niebauer, 221 Fourth street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 2-5	1032	12
83	Jan'y 9.	W. McIntosh, 865 Howard street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	5 1-5	1036	10
84	Jan'y 9.	D. McCreely, 717 Howard street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 3-5	1030	9
85	Jan'y 9.	F. C. Kaufman, Fourth and Tehama streets.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 2-5	1030	8
86	Jan'y 9.	H. J. Sullivan, 559 Howard street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 4-5	1028	7
87	Jan'y 11.	DeWitt & Harrison, 24 Seventh street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 2-5	1028	6
88	Jan'y 11.	A. Merkle, 40 Seventh street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	5 1-5	1036	9
89	Jan'y 11.	William Van Norden, 1038 Folsom street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	5 3-5	1036	10
90	Jan'y 11.	John Tuylt, 1111 Market street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 1-5	1034	8
91	Jan'y 11.	F. E. Rockshol, 113 Seventh street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 2-5	1028	7
92	Jan'y 11.	Eaker Bros., 38 Seventh street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 1-5	1030	9
93	Jan'y 11.	William Paulsen, Seventh and Mission streets.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	5	1036	10
94	Jan'y 11.	E. Fausc, 1105 Howard street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	6 1-5	1036	8
95	Jan'y 11.	H. Jo son, 1045 Howard street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1-5	1028	7

## HEALTH OFFICER'S REPORT.

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter	Fat	Sp. Gr. Cream.
1897.							
96	Jan'y 11.	E. Speinegal, 125 Seventh street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3 5	1030	6
97	Jan'y 11.	H. Schensen, 1040 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 1-5	1032	9
98	Jan'y 11.	F. Baumann, 143 Seventh street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 2-5	1032	5
99	Jan'y 11.	Mrs. J. Donahue, 119 Seventh street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3-5	1030	8
100	Jan'y 11.	William Reidinger, 104 Seventh street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 2-5	1032	9
101	Jan'y 11.	James Donahue, 116 Seventh street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 1 5	1034	7
102	Jan'y 11.	F. A. Burns, 109 Seventh street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 3-5	1034	9
103	Jan'y 11.	H. Marco, 219 Sixth street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	5 1-5	1036	10
104	Jan'y 11.	Mrs. Roman, 1130 O'Farrell street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 1-5	1031	8
105	Jan'y 11.	Mr. Schussler, McAllister street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 4-5	1020	6
106	Jan'y 12.	Mrs. McGlynn, 411 Hayes street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1028	6
107	Jan'y 12.	L. Aschwander, 503½ Hayes street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4	1032	8
108	Jan'y 12.	L. Diezelaski, 438 Hayes street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 1-5	1031	9
109	Jan'y 12.	P. M. Relfs, 601 Hayes street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1030	5
110	Jan'y 12.	J. English, 533 Hayes street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3-5	1028	6
111	Jan'y 12.	C. Schwarcke, 505 Hayes street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1 5	1028	5
112	Jan'y 12.	Peter Olsen, 501 Fell street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	5	1036	9
113	Jan'y 12.	H. Matthias, 532 Hayes street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 2 5	1031	8
114	Jan'y 12.	J. Furter, Mission Road.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1-5	1030	8

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Sp. Gr.	Cream.
115	1897. Jan'y 12.	Mrs. C. Scheepfave, 511 Laguna street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3-5	1036	7
116	Jan'y 12.	Miss C. Johnson, 483 Hayes street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	4 1-5	1036	9
117	Jan'y 12.	A. Peterson, 138 Hayes street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3-5	1032	8
118	Mar. 3.	E. Eyer, 1519 Devisadero street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	2 4-5	1036	5
119	Mar. 3.	R. Toepfer, 2327 Bush street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 4-5	1036	11
120	Mar. 2.	C. S. Hvia, 2139 Fillmore street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3-5	1036	8
121	Mar. 2.	George Sauer, 1315 Pacific street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 4-5	1036	7
122	Mar. 2.	Shel & Nelson, 1211 Polson street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3-5	1038	9
123	Mar. 2.	C. Hashagan, 123 Holly Park.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3-5	1034	10
124	Mar. 2.	O. A. O. Longrin, 1522 Devisadero street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3-5	1038	7
125	Mar. 2.	H. Muller, Sutter and Devisadero streets.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	4 2-5	1034	10
126	Mar. 2.	Henry Polker, 1723 Scott street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 2-5	1036	6
127	Mar. 2.	P. Gross, 2069 Fillmore street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 4-5	1036	8
128	Mar. 2.	P. S. Beck, 1340 Pacific street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 4-5	1036	10
129	Mar. 2.	Hailey Bros., 2002 Greenwich street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	4	1036	8
130	Mar. 2.	A. Ludwig, 1495 Fulton street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 4-5	1034	7
131	Mar. 2.	C. Tolmoe, Eleventh and Mission streets.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	5	1034	12
132	Mar. 8.	Nick Rudonick, 806 Mission street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	4	1036	10
133	Mar. 8.	F. Schaefer, 411 Turk street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 4-5	1036	7

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.	
					Butter Fat Sp. Gr. Cream.	
134	1897, Mar. 8.	Kalsaisch & Franceli, 633 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3 1-5	1036 6
135	Mar. 8.	Milbrae Co., Ninth and Mission streets.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3 4 5	1036 12
136	Mar. 8.	A. Luckner, 717 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	6 4-5	1034 16
137	Mar. 8.	E. M. Bolman, 917 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	4	1036 7
138	Mar. 8.	Martin Calafisch, Square and Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3	1033 9
139	Mar. 8.	J. Christen, 700 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3 2 5	1036 9
140	Mar. 8.	A. P. Hartley, 677 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	1 1 5	1035 4
141	Mar. 2.	A. E. Barlieb, 611 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3 4-5	1036 8
142	Mar. 8.	Thompson & Rohloffs, 7 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3 4 5	1032 8
143	Mar. 8.	Mrs. M. Ross, 510 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	1 3 5	1022 4
144	Mar. 8.	George Herrold, 2222 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	4	1034 11
145	Mar. 8.	Hess & Marshall, 1527 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	2 4 5	1036 4
146	Mar. 8.	C. Manouk, 1653 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	4	1036 8
147	Mar. 9.	C. A. Miller, 1711 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3	1034 6
148	Mar. 9.	P. Lammers, 1759 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3 2 5	1036 8
149	Mar. 9.	Fred Da, 2952 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	2 4 5	1034 7
150	Mar. 9.	D. B. Macquarie, 2859 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	3	1036 6
151	Mar. 9.	M. Koenig, 1629 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	2 2 5	1032 6
152	Mar. 9.	William Masury, 1640 Mission street.	A. J. Harrigan and Ben. Hanlon	J. P. Dockery.	4 1 5	1034 11



## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Sp. Gr.	Cream.
153	1897. Mar. 9.	Rider & Spence, 2614 Mission street. . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 2-5	1036	9
154	Mar. 9.	Athenian & Bashe, Wagon . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	5 3-5	1032	17
155	Mar. 9.	G. Silvati, 2553 Twenty-sixth street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 3-5	1036	8
156	Mar. 11.	Mrs. Wood, 1147 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 4-5	1036	7
157	Mar. 11.	Genosa & Vosti, 1514 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	4 1-5	1036	10
158	Mar. 11.	J. E. A. Hcms, 2140 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 1-5	1036	6
159	Mar. 11.	Joseph Fassler, Mission Road . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	4	1034	10
160	Mar. 11.	E. Thilkill, 2600 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 2-5	1032	7
161	Mar. 11.	E. F. Rangell, 1522 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	4 2-5	1036	14
162	Mar. 11.	A. G. Arlitt, Twenty-fifth and Howard streets . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3	1030	6
163	Mar. 11.	Mrs. F. W. Clark, 1566 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 2-5	1036	9
164	Mar. 11.	X. Fassler, 1819 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 4-5	1036	12
165	Mar. 11.	California Milk Produce Association, Wagon . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	10	1034	40
166	Mar. 11.	Robert Broderick, 1101 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	2 2-5	1036	10
167	Mar. 11.	John Clausen, 1700 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 2-5	1036	10
168	Mar. 11.	Alfred Wiedeman, 1924 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 3-5	1036	9
169	Mar. 11.	Great Eastern Milk Co., 1529 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	4 1-5	1034	9
170	Mar. 11.	John Dwyer, 2306 Howard street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .	3 2-5	1038	9
171	Mar. 24.	Mrs. Nellie Kane, 316 Folsom street . . . . .	A. J. Harrigan and Ben. Hanlon . . . . .	J. P. Dockery . . . . .			

## HEALTH OFFICER'S REPORT.

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Sp. Gr.	Cream.
172	Mar. 24.	B. Langendorf, 941 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	2 3 5	1032	7
173	Mar. 24.	Mrs. Haskins, Fremont and Folsom streets.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3 5	1032	6
174	Mar. 24.	Lena Sullivan, 911½ Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3 5	1030	9
175	Mar. 24.	Mrs. C. Ahearn, 404 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 2 5	1032	11
176	Mar. 24.	M. Stamer, 423 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	6	1030	16
177	Mar. 24.	Mrs. Buckley, 423 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3 5	1036	8
178	Mar. 24.	John Joss, cor. Fremont and Folsom streets.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 4 5	1036	7
179	Mar. 24.	M. Eisenstein, 984 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3	1034	9
180	Mar. 24.	Mrs. Seymour, 528½ Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	4	1022	9
181	Mar. 24.	H. Wichman, 725 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 1 5	1034	7
182	Mar. 24.	H. Papwinkle, 721 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3 5	1036	7
183	Mar. 24.	C. Grendler, 776 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 2 5	1036	5
184	Mar. 24.	Jacob Roth, 803 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3	1036	7
185	Mar. 24.	Mrs. Carlin, 867 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3 5	1032	8
186	Mar. 24.	Odolovich & Tezovich, cor. Stuart and Folsom sts.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	4	1036	8
187	Mar. 24.	P. Enright, cor. Beale and Folsom streets.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	2 2 5	1032	7
188	Mar. 24.	Reich & Eggers, 272 First street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3 5	1034	7
189	Mar. 25.	G. Mendelsohn, 1013 Folsom street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	3 3 5	1032	6
190	Mar. 25.	Laurman Bros., 1016 First street.	A. J. Harrigan and Ben. Hanlon.	J. P. Dockery.	2 3 5	1036	4

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Sp. Gr.	Cream.
191	1897. Mar. 25.	William Von Norden, 1038 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 4-5	1036	7
192	Mar. 25.	William Jost, 1037 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1034	9
193	Mar. 25.	T. B. Eastman, 1048½ Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1 5	1034	8
194	Mar. 25.	F. Rossi, 1162 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	2 4 5	1032	7
195	Mar. 25.	R. Rudbeck, 1105 Folsom street.....	A. J. Harrigan and Ben. Hanlon ..	J. P. Dockery.....	3	1031	5
196	Mar. 25.	H. Stern, 1105 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3 5	1034	7
197	Mar. 25.	Mrs. Knight, 1109 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1034	11
198	Mar. 25.	Releveld Bros., 1115 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	2 3-5	1035	5
199	Mar. 25.	J. Rauseb, 116½ Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1 5	1034	7
200	Mar. 25.	Gardner & Crowley, 1123 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	2 3-5	1036	4
201	Mar. 25.	M. Stern, 1129 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	2 4-5	1034	7
202	Mar. 25.	A. G. Kelso, 1145 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery ..	4	1036	5
203	Mar. 25.	J. P. Dockery, 26 Lloyd street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3 5	1032	11
204	Mar. 25.	Such & Nelson, 1214 Folsom street.....	A. J. Harrigan and Ben. Hanlon ..	J. P. Dockery.....	4	1036	10
205	Mar. 25.	Mrs. M. O'Brien, 1242 Folsom street. . .	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1036	8
206	Mar. 25.	John Tannony, 1317 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	2 4 5	1036	5
207	Mar. 25.	Frank Hunkel, 1407½ Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3-5	1034	9
208	Mar. 25.	M. A. Parr, 1529 Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4 3 5	1034	15
209	Mar. 25.	Mrs. N. Keller, 162½ Folsom street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	2 3-5	1036	6

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Sp. Gr.	Cream.
210	Mar. 25.	D. N. Sweet, 1615 Folsom street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	2 4 6	1034	7
211	Mar. 26.	N. J. Lund, Sixteenth and Folsom streets.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 4-5	1034	8
212	Mar. 26.	Joe Enos, Sixteenth and Folsom streets.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 4-5	1032	10
213	Mar. 26.	Jacob Stainish, 2045 Folsom street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 2 5	1036	7
214	Mar. 26.	Goleb & Ehlers, 3554 Folsom street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 1 5	1032	13
215	Mar. 26.	Mrs. C. Prinz, 2549 Folsom street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 1-5	1034	8
216	Mar. 26.	L. Bagella, Twenty-fourth and Folsom street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3	1034	7
217	Mar. 26.	C. Rehage, 3109 Folsom street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 3 5	1034	10
218	Mar. 26.	G. Gianini, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 2-5	1036	9
219	Mar. 26.	W. Miller, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1 5	1036	9
220	Apr. 20.	W. C. Miller, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 2 5	1036	11
221	Apr. 20.	P. Canbont, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 4-5	1036	11
222	Apr. 20.	D. S. Clark, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1-5	1036	11
223	Apr. 20.	Mr. Croniste, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1 5	1036	11
224	Apr. 20.	Thomas Mitchell, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 2 5	1034	9
225	Apr. 20.	James Kenny, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 3 5	1034	7
226	Apr. 20.	J. W. Tufts, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3	1032	10
227	Apr. 20.	O. J. Nelson, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 3-6	1034	11
228	Apr. 20.	G. Molena, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 4-5	1034	7

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter	Fat	Sp. Gr. Cream.
	1897.						
229	Apr. 20.	Mr. Zwissig, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 4-5	1036	9
230	Apr. 20.	John Linahan, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 3-5	1034	10
231	Apr. 23.	John Scanlin, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 2-5	1034	10
232	Apr. 23.	Guadaloupe Dairy, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	4	1034	11
233	Apr. 23.	California Milk Co., Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	4 2-5	1036	12
234	Apr. 23.	Dais & Bauer, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 3-5	1032	7
235	Apr. 23.	Mr. Batmann, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 4-5	1032	9
236	Apr. 23.	Charter Oak Dairy, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 4-5	1036	10
237	Apr. 23.	Henry Bauer, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 2-5	1036	8
238	Apr. 23.	San Bruno Milk Co., Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 2-5	1036	9
239	Apr. 23.	Mayer Bros., Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	4	1034	10
240	Apr. 23.	J. Stewart, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	4	1032	14
241	Apr. 23.	Killger Bros., Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3	1034	6
242	Apr. 23.	Swiss Dairy, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 2-5	1034	10
243	Apr. 23.	International Dairy, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 4-5	1032	10
244	Apr. 23.	F. A. Perini, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	2 1-5	1036	4
245	Apr. 23.	X L Dairy, Wagon.	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 3-5	1034	7
246	Apr. 23.	San Pablo Dairy, Wagon	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	3 3-5	1034	7
247	Apr. 23.	Devlin & Son, Wagon	A. J. Harrigan and Ben. Haulon.	J. P. Dockery.	4	1034	10

## INSPECTORS' RECORD OF MILK CASES—CONTINUED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Sol. Gr.	Cream.
	1897.						
248	May 12.	N. L. Dairy, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 3-5	1036	6
249	May 12.	F. Balis, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 2-5	1036	9
250	May 12.	Martin Styell, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 3-5	1036	7
251	May 12.	P. Menlon, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 4-5	1036	8
252	May 12.	F. Mullin, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 3-5	1034	10
253	May 12.	Joseph Kennel, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1-5	1022	5
254	May 12.	Peter Cabow, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4	1034	9
255	May 12.	Newport Ranch, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1-5	1036	6
256	May 12.	Pacific Dairy, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1-5	1032	8
257	May 12.	J. Miller, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4 1-5	1036	9
258	May 12.	M. Griffin, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 3-5	1036	11
259	May 12.	Jersey Dairy, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 4-5	1031	7
260	May 12.	R. Cranna, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1-5	1032	6
261	May 12.	John A. Christen, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3	1034	7
262	May 12.	New S. B. Dairy, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4	1034	11
263	May 12.	O. Reynolds, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	4	1034	10
264	May 12.	Popular Dairy, Wagon.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	3 1-5	1034	10
265	June 9.	M. Schmutenhaus, Eighteenth st. and Bryant av....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	2 4-5	1028	7
266	June 9	H. Kelly 1218 Bryant street.....	A. J. Harrigan and Ben. Hanlon....	J. P. Dockery.....	2 1-5	1028	6

## INSPECTORS' RECORD OF MILK CASES—CONCLUDED.

Sample Number	DATE.	FROM WHOM TAKEN AND ADDRESS.	BY WHOM TAKEN.	BY WHOM INSPECTED.	RESULT OF ANALYSIS.		
					Butter Fat	Sp. Gr.	Cream
267	June 9.	1897. M. Granty, 1322 Harrison street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 2-5	1030	6
268	June 9.	D. M. Fitzgerald, 1335 Harrison street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 4-5	1030	6
269	June 9.	M. Griffin, Wagon.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1-5	1022	Cream
270	June 9.	Spencer & Biler, Wagon.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 3-5	1032	9
271	June 9.	J. Schwornstede, Harrison and Twelfth streets.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1-5	1032	6
272	June 9.	William Schmidt, Harrison and Tenth street.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 1-5	1032	6
273	June 9.	San Mateo Dairy, Wagon.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	4	1024	8
274	June 9.	P. Muller, Wagon.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	2 4-5	1026	6
275	June 9.	J. H. Rippe, Twenty-fourth and Bryant streets.....	A. J. Harrigan and Ben. Hanlon.....	J. P. Dockery.....	3 4-5	1034	7
276	June 9.	Frank Smith, San Rafael.....	.....	.....	3 3-5	1032	8
277	July 3.	Alms House.....	.....	.....	See Chemist's Report.		
278	July 3.	Alms House.....	.....	.....	"	"	"

## HEALTH OFFICER'S REPORT.

## ARRESTS, AND DISPOSITION OF CASES TO JUNE 30, 1897.

NO.	OF WHOM PURCHASED.	ADDRESS.	GOODS.	FINE.	DISPOSITION.
32	Emporium.....	Market street.....	Honey.....	.....	Continued.
40	A. Quale.....	636 Market street.....	Evaporated cream.....	.....	Continued.
43	Rathjen Bros.....	21 Stockton street.....	Honey.....	\$25 00	No alternative.
44	Rathjen Bros.....	21 Stockton street.....	Condensed milk.....	.....	Continued.
50	Smith's Cash Store.....	27 Market street.....	Honey.....	.....	Continued.
54	Chris Niirenberg.....	Union and Buchanan Sts.....	Condensed milk.....	.....	Continued.
55	Kemp & Beaverton.....	Fillmore and Sutter streets.....	Honey.....	25 00	.....
56	A. A. Bruner.....	California and Polk streets.....	Honey.....	25 00	No alternative.
58	H. Schroder & Co.....	2429 California street.....	Honey.....	.....	Continued.
78	Fred. Welker.....	713 Sansome street.....	Raspberry syrup.....	10 00	.....
79	Wm. Oline.....	949 Market street.....	Raspberry syrup.....	50 00	.....
80	Wm. Oline.....	949 Market street.....	Condensed milk.....	.....	Continued.
81	Martin Fensler & Co.....	309 Clay street.....	Currant jelly.....	60 00	.....
82	C. E. Whitney & Co.....	110 Davis street.....	Currant jelly.....	.....	Dismissed.
83	M. Gatz.....	111 California street.....	Currant jelly.....	60 00	.....
84	Pacific Coast Syrup Co.....	713 Sansome street.....	Strawberry jelly.....	100 00	.....
85	Dairyman's Union.....	113 Davis street.....	Currant jelly.....	75 00	.....
86	Hartler, Hayes & Co.....	216 Front street.....	Currant jelly.....	60 00	.....
87	Smith's Cash Store.....	27 Market street.....	Condensed milk.....	.....	Continued.
88	Smith's Cash Store.....	27 Market street.....	Condensed milk.....	.....	Continued.
90	Wm. Oline.....	919 Market street.....	Currant jelly.....	.....	Continued.



## REPORT OF BUREAU OF FOOD INSPECTION.

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NO.	OF WHOM PURCHASED.	ADDRESS.	GOODS.	FINE.	DISPOSITION.
103	Emporium.....	Market street.....	Currant jelly.....	.....	Continued.
104	A Quade & Co.....	636 Market street.....	Currant jelly.....	.....	Continued.
109	Smith's Cash Store.....	27 Market street.....	Currant jelly.....	.....	Continued.
112	Goldberg, Bowen & Co.....	426 Pine street.....	Currant jelly.....	.....	Continued.
117	Elliott Bros.....	120 Third street.....	Currant jelly.....	.....	Dismissed.
118	John H. Nolan.....	348 Third street.....	Currant jelly.....	.....	Dismissed.
119	Kavanaugh & Co.....	402 Sixth street.....	Currant jelly.....	.....	Dismissed.
128	Sbarboro & Co.....	531 Washington street.....	Currant jelly.....	.....	Continued.
135	F. Mecchi & Co.....	733 Montgomery avenue.....	Currant jelly.....	\$25 00	.....
136	Stolz Bros.....	529 Montgomery avenue.....	Currant jelly.....	.....	Continued.
146	Dick Von der Mehlen.....	Fourth and Mission streets.....	Currant jelly.....	.....	Dismissed
159	Geo. Schonaker.....	Fourth and Bryant streets.....	Currant jelly.....	.....	Continued.
160	Geo. Schonaker.....	Fourth and Bryant streets.....	Currant jelly.....	.....	Continued.
169	Solomon Bros.....	306 Sixth street.....	Currant jelly.....	.....	Continued.
171	Johnson Bros.....	318 Sixth street.....	Currant jelly.....	25 00	.....
172	Johnson Bros.....	318 Sixth street.....	Currant jelly.....	20 00	No alternative.
174	Jacobsen & Christie.....	310 Sixth street.....	Currant jelly.....	.....	Continued.
				8650 00	

Continued.....	20
Dismissed.....	5
Convicted.....	13
Total.....	38

## SANITARY CONDITION OF DAIRIES AND NUMBER OF COWS.

DAIRY.	OWNER.	COWS.	SANITARY CONDITION.
	L. Zwissig .....	90	Satisfactory.
Excelsior Dairy.....	Allen Lamson.....	26	Very unsatisfactory.
	John Guos.....	26	Fair.
	Shehan.....	35	Very unsatisfactory.
Fairmount Ranch....	Geo. Gibbons.....	35	Clean.
San Pablo Dairy.....	Mendich, .....	30	Fair.
Liberty Dairy.....	Leewe.....	360	Satisfactory.
Portland Dairy.....	Mrs. F. Emhoff.....	110	Unsatisfactory.
	A. Simon and brother....	80	Clean.
Golden Eagle Dairy..	W. Towns .....	60	Fair.
	L. De Santi.....	25	Fair.
	Carlo Saveanello.....	39	Fair.
	H. Wright.....	40	Clean.
	C. Gilligan.....	20	Clean.
	Mather & Regli.....	25	Clean.
Piedmont Dairy.....	Thos. Mitchell.....	17	Fair.
	Chas. Ballhaus .....	17	Good.
Melrose Dairy.....	M. Coleman.....	28	Fair.
	C. Ruhland.....	124	Unsatisfactory.
	H. H. Burfiend....	44	Very satisfactory.
	J. Frankel.....	35	Very unsatisfactory.
	J. Keller .....	55	Unsatisfactory.
	R. McSherry.....	23	Satisfactory.
Park Ranch.....	Patton.....	23	Unsatisfactory.
Silver Heights.....	Tammany .....	44	Fair.
	P. Wolff.....	15	Good.
Swiss Dairy.....	J. Scheereri .....	60	Fair.
Green Mountain.....	Antheim & Bagher.....	90	Fair.
University Ranch....	F. Lemberthant.....	60	Fair.
	G. A. Arnold.....	55	Satisfactory.
Enterprise Dairy.....	H. Wright.....	50	Clean.

## SANITARY CONDITION OF DAIRIES—CONCLUDED.

DAIRY.	OWNER.	COWS.	SANITARY CONDITION.
Philadelphia Dairy.	Vosti & Company.	55	Clean.
People's Dairy.	Johnson & Brown	225	Good.
California Dairy.	Nick Hansen	325	Fair.
Green Valley Dairy.	John Linahan	125	Unsatisfactory.
	L. Zwissig	90	Satisfactory.
	L. W. Andreas	70	Fair.
Baden Ranch	Cole & Wise	75	Good.
	J. Tschinen	60	Fair.
	K. Mura	15	Bad.
	P. F. E. Steiner	100	Clean.
Chicago Dairy.	L. Renner	60	Clean.
Boston Ranch.	G. L. Perham	125	Fair.
Del Monte Dairy.	Jos. Fasilier	186	Fair.
Eureka Dairy	Furrer Bros.	105	Clean.
San Bruno Farm.	Owen Riley	50	Fair.
New York Dairy.	G. C. Smart	100	Clean.
Monterey Dairy.	Lombardy Bros.	30	Fair.
	John Escloses	15	Good.
	P. Caubn	60	Clean.
French Dairy.	P. Minjon	80	Unsatisfactory
	Devlin Bros.	60	Clean.
	J. A. Christen	60	Fair.
	Kovistra Bros.	35	Clean.
	Alex. Simon	80	Clean.
	F. Barry	25	Fair.
	Saithou & Trebucq.	90	Satisfactory.
	J. Hein	25	Fair.
	H. Good & Sons	60	Fair.
	F. S. Andrea	20	Clean.
Bay View Ranch.	Barielles Bros.	90	Clean.
	F. Marty	40	Fair.





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